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RCA LED22B45RQD USER'SMANUAL

Table of Contents

Child Safety Guide
Table of Contents
Caution and Warning
FCC and Class 1 Laser Product Notice
Safety Precautions
Preparation for Your New TV
Check Accessories
Setup TV Table Stand
Select TV Location
Connection and Using

TV Stand Installation
TV Signal Connection
Cable Connections
Side Panel Connections
Connecting AV Composite Video device (Good Video Quality)
Connecting YPbPr Component device (Better Video Quality)
Connecting HDMI device (Best Video Quality)
Connecting a Computer
How to Obtain Various Kinds of Input Sources
TV Jacks Explanation
Back Keypad and Front Panel
Back Panel Buttons
Front Panel
Remote Control Instructions
Inserting Batteries in the Remote
Remote Control Reception Angle
Learning about Remote Control
Remote Control Buttons
Initial Setup
Basic Operations
Turning On and Off
Choosing TV Channel
Selecting Input Source
Channel Bar
Adjusting Volume
EPG (Electronic Program Guide)
OSD Menu Operations
Adjust the OSD Screen
Picture Menu

Sound Menu
Channel Menu
Parental Menu
Setup Menu
Others Menu
DVD Operations
Frequently Asked Questions (FAQs)
Troubleshooting
V-Chip Rating Explanations
US V-Chip Rating System
Canadian English Rating System
Canadian French Rating System
Wall Mounting Unit Specification
USB Media Play
Product Specification
Warranty Card
Other ManualsLib Projects

Part No.: RN03215BM00

English

LED LCD TV
DVD COMBINATION
User's Manual

Model Number.
LED22B45RQD

Please register your product at **www.rca.com**

Please keep your sales receipt and keep the record of the serial number and the date of purchase in order to receive warranty parts and service.
The serial number is located at the back of the TV.

Serial Number / Número de serie de TV

_____

Date of Purchase / Fecha de la compra

_____

Made for Today.
www.rca.com

CHILD SAFETY:

It Makes A Difference How and Where You Use Your Flat Panel Display

Congratulations on your purchase! As you enjoy your new product, please keep these safety tips in mind:

THE ISSUE

- The home theater entertainment experience is a growing trend and larger flat panel displays are popular purchases. However, flat panel displays are not always supported on the proper stands or installed according to the manufacturer's recommendations.
- Flat panel displays that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests or carts may fall over and cause injury.

THIS MANUFACTURER CARES!

- The consumer electronics industry is committed to making home entertainment enjoyable and safe.

TUNE INTO SAFETY

- One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your flat panel display.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't allow children to climb on or play with furniture and television sets.
- Don't place flat panel displays on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" flat panel display. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.

WALL MOUNTING: IF YOU DECIDE TO WALL MOUNT YOUR FLAT PANEL DISPLAY, ALWAYS:

- Use a mount that has been recommended by the display manufacturer and/or listed by an independent laboratory (such as UL, CSA, ETL).
- Follow all instructions supplied by the display and wall mount manufacturers.
- If you have any doubts about your ability to safely install your flat panel display, contact your retailer about professional installation.
- Make sure that the wall where you are mounting the display is appropriate. Some wall mounts are not designed to be mounted to walls with steel studs or old cinder block construction. If you are unsure, contact a professional installer.
- A minimum of two people are required for installation. Flat panel displays can be heavy.

CEA
Consumer Electronics Association

www.CE.org/safety

SEGURIDAD DE NIÑOS:

El Cómo y Dónde Usted Usar Su Monitor de Pantalla Plana Marca La Diferencia

¡Muchas gracias por su uso del presente producto! Cuando usted disfruta de su nuevo producto, por favor tenga en cuenta los consejos de seguridad:

POSIBLES PROBLEMEAS

- La experiencia de entretenimiento de cine en casa es una tendencia creciente y los grandes monitores de pantalla plana son muy populares. Sin embargo, los monitores de pantalla plana no se han instalado siempre en los soportes adecuados o instalado de acuerdo con las recomendaciones de fabricante.
- Los monitores de pantalla plana que se han instalado inadecuadamente en tocadores, estanterías, estantes, escritorios, oradores, baúles o carros se pueden caer y causar el daño corporal.

¡ AL FABRICANTE LE IMPORTA!

- La industria electrónica del consumidor está comprometida a hacer el entretenimiento de casa agradable y seguro.

AJUSTAR HASTA SEGURIDAD

- Un tamaño fijo NO es adecuado para todos. Siga las recomendaciones de fabricante para la instalación segura y el uso de su monitor de pantalla plana.
- Lea con cuidado y entienda todas las instrucciones adjuntas para el uso propio de este producto.
- No permita a los niños a subir al equipo o jugar con muebles y televisiones.
- No cloque los monitores de pantalla plana en el mueble que se puede usar fácilmente como escalón, así como una cómoda.
- Recuerde que los niños pueden llegar a ser excitados al ver una programación, especialmente en el monitor de pantalla plana "más grande que vida".El cuidado se tiene que empezar por poner o instalar el monitor donde no se puede empujar, detener al costado del camino ni echar abajo.
- El cuidado se tiene que empezar por encaminar todos los cordones y cables conectados al monitor de pantalla plana para que no se puedan tirar o agarrar por los niños curiosos.

MONTAJE DE PARED: SI USTED DECIDE A MONTAR SU MONITOR DE PANTALLA PLANA A LA PARED, SIEMPRE:

- Use una montura que se ha recomendado por el fabricante de monitor y/o listado por un laboratorio independiente (como UL, CSA, ETL).
- Siga todas las instrucciones ofrecidas por el fabricante de monitor y montaje de pared.
- Si usted tiene cualquier duda sobre su habilidad para instalar seguramente su monitor de pantalla plana, contacte a su distribuidor para la instalación profesional.
- Compruebe que la pared adonde se está montando el monitor es adecuada. Algunos montajes de la pared no son diseñados para ser montados a paredes con tachones de acero o la vieja construcción de bloque de ceniza. Si usted está inseguro, contacte a un instalador profesional.
- Por lo menos dos personas se requieren para la instalación. Los monitores de pantalla plana puede ser pesados.

CEA
Consumer Electronics Association
www.CE.org/safety

Table of Contents

Child Safety Guide 1
Caution and Warning 5
FCC and Class 1 Laser Product Notice 5
Safety Precautions 6
Preparation for Your New TV 8
- Check Accessories 8
- Setup TV Table Stand 8
- Select TV Location 8
- Connection and Using 8

TV Stand Installation 9
TV Signal Connection 10
Cable Connections 11
Side Panel Connections 12
- Connecting AV Composite Video device (Good Video Quality) 12
- Connecting YPbPr Component device (Better Video Quality) 13
- Connecting HDMI device (Best Video Quality) 14
- Connecting a Computer 15
- How to Obtain Various Kinds of Input Sources 15

TV Jacks Explanation 16
Back Keypad and Front Panel 17
- Back Panel Buttons 17
- Front Panel 17

Remote Control Instructions 18
- Inserting Batteries in the Remote 18
- Remote Control Reception Angle 18

Learning about Remote Control 19
- Remote Control Buttons 19

Initial Setup 20
Basic Operations 21
- Turning On and Off 21
- Choosing TV Channel 21
- Selecting Input Source 21
- Channel Bar 22
- Adjusting Volume 22
- EPG (Electronic Program Guide) 22

Table of Contents

OSD Menu Operations 23
- Adjust the OSD Screen 23
- Picture Menu 23
- Sound Menu 25
- Channel Menu 26
- Parental Menu 27
- Setup Menu 31
- Others Menu 33

DVD Operations 34
Frequently Asked Questions (FAQs) 38
Troubleshooting 39
V-Chip Rating Explanations 41
- US V-Chip Rating System 41
- Canadian English Rating System 41
- Canadian French Rating System 42

Wall Mounting Unit Specification 43
USB Media Play 44
Product Specification 45
Warranty Card 46

Caution and Warning

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

Caution: To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product enclosure that may be of sufficient magnitude to consitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the TV.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE WITH THE FCC RULES COULD AVOID THE USERS AUTHORITY TO OPERATE THIS EQUIPMENT.

FCC and Class 1 Laser Product Notice

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio Communications. However, there is no Guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Class 1 Laser Product

Device complies with FDA radiation performance standards, 21 CFR subchapter.
Caution: (Invisible) Laser Radiation when open. Do not stare into beam.

Safety Precautions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water. For example, do not use near a laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Slots and openings in the cabinet back or bottom are provided for ventilation, to ensure reliable operation of the TV and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the TV on a bed, sofa, rug, or other similar surface.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. A TV and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV and cart combination to overturn.

13. Unplug this apparatus during lightning storms or when unused for long periods of time. For added protection for this TV receiver during a lightning storm, or when it is left unused for long periods of time, unplug it from the wall outlet and disconnect antenna or cable system. This will prevent damage to the TV due to lightning and power line surges.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the appratus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This TV should be operated only from the type of power supply indicated on the rating label. If customer is not sure the type of power supply in your home, consult your appliance dealer or local power company. For TV remote control battery power, refer to the operating instructions.
16. The TV set shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the TV set.
17. Never push objects of any kind into this TV through openings as they may touch dangerous voltage or other electrical parts that could result in fire or electric shock. Never spill liquid of any kind into the TV.
18. Unplug the TV from the wall outlet before cleaning. Do not use liquid or aero cleaners. Use a damp cloth for cleaning.
19. This TV should never be placed near or over a radiator or heat resource. This TV should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
20. Do not place this TV on an unstable cart, stand, tripod, bracket, or table. The TV may fall, causing serious injury to someone, and serious damage to the appliance.
21. Do not attempt to service this TV by yourself because opening or removing covers may expose you to dangerous high voltage or other hazards. Refer all servicing to qualified service personnel.
22. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Safety Precautions

23. WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
24. To reduce the risk of electric shock, the grounding of center pin of plug must be maintained.
25. If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA NO.70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (See figure A)

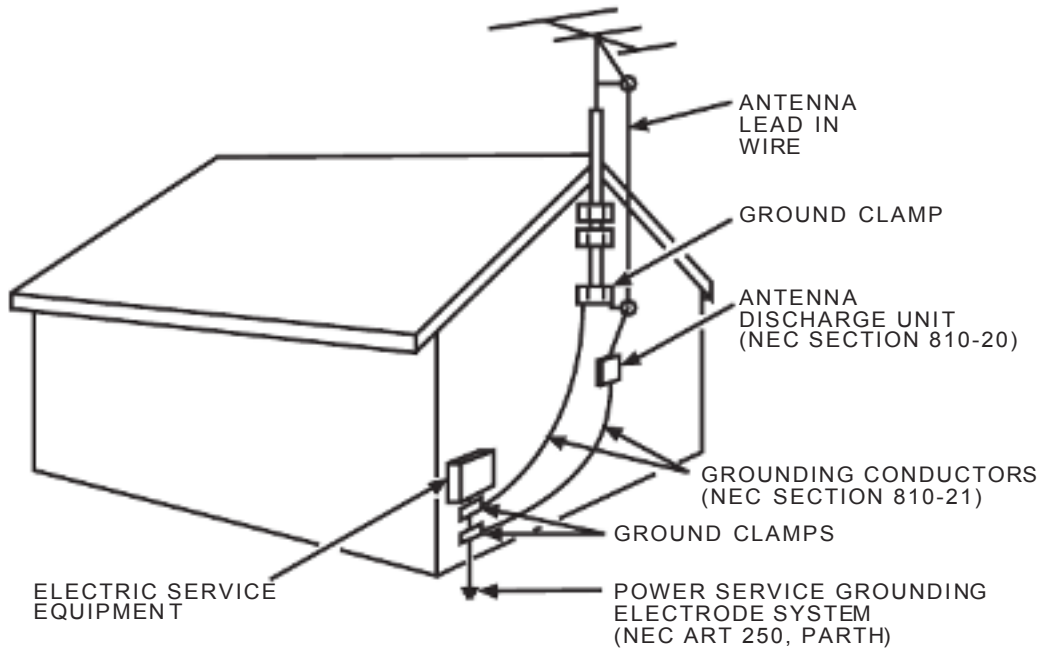


Figure A

26. CAUTION: This device employs a laser system. Use of controls, adjustments or the performance of procedures other than those specified may result in hazardous exposure to radiation. To prevent exposure to laser beam, do not try to open the enclosure. Do not stare into beam.

Safety Strap

Caution: Pushing, pulling or climbing on the TV may cause the TV falling. Do not let chlidren climb or hang on the TV. Always place the TV on a sturdy, level, stable surface that can hold the weight of TV. And if possible, secure the TV according to the instruction below (Note: The fastening components such as screws are not supplied with TV).

Step one: Insert the M4 mounting screws into the upper two wall mounting screw holes and fasten them (Figure B).
Step two: Insert anchors to wall and connect the bolts and anchors with ropes or chains (Figure C).

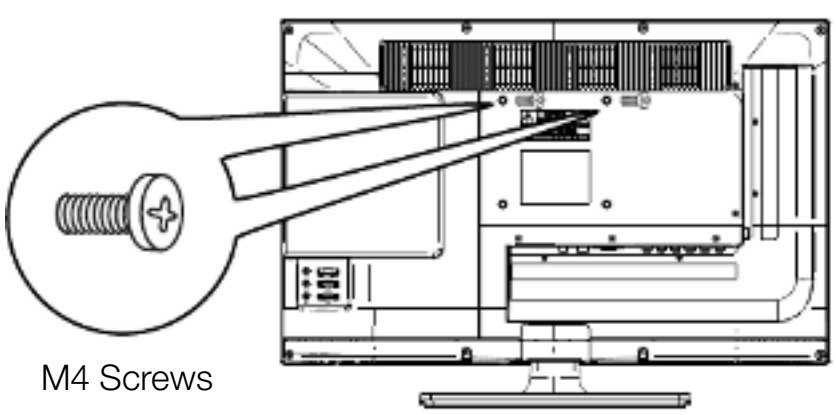


Figure B

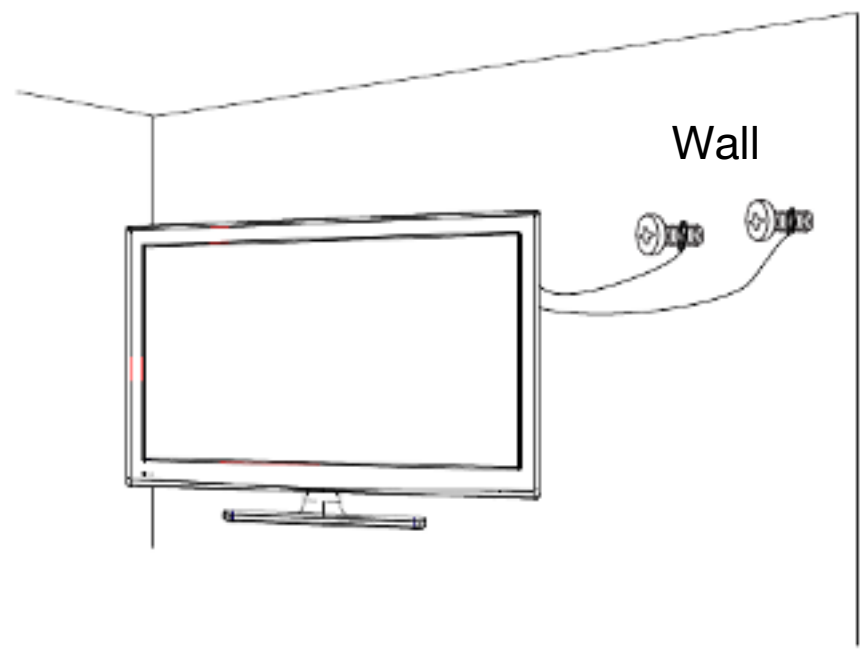


Figure C

Preparation for Your New TV

Before Turning On TV

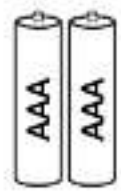
Check Accessories

Check the accessories that are packed with your TV.

REMOTE CONTROL

PART NO.: RE20QP83

AAA BATTERIES

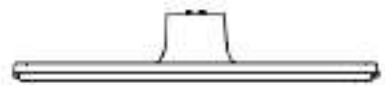


TV STAND SCREWS

SCREWS

M4 x 12mm, 4pcs
Part# RS01TB412H

TV STAND



DOCUMENTS

USER'S GUIDE

QUICK START GUIDE

REMOTE CONTROL GUIDE

Setup TV Table Stand

Please refer to TV Stand Installation guide in next page to carry out stand installing.

Select TV Location

Select a flat, stable table to place your TV set. Please follow the Safety Instructions when placing the TV.

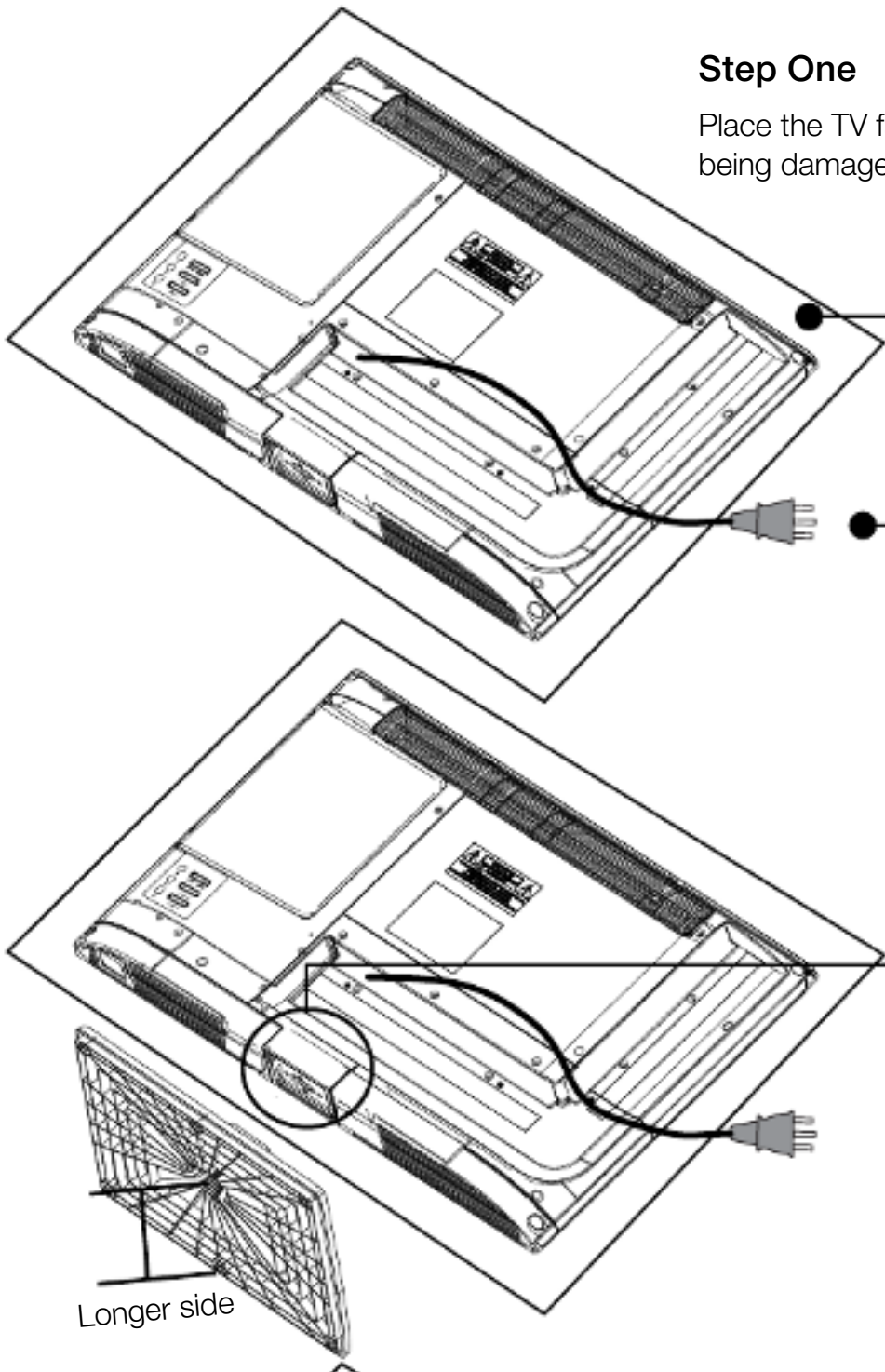
Connection and Using

After placing your TV properly, you can connect the TV with power supply and cable components. For further information, see page 12 to page 15.

Note: Above accessories are subject to change without notice.

TV Stand Installation

TV LED22B45RQD is packaged with the TV stand separated from the cabinet. To setup the TV table stand, please carry out the installation according to the instructions below.



Step One

Place the TV faced down on a soft cloth or cushion to prevent the panel from being damaged.

The panel can be scratched easily, so please:
1. Choose an absolutely flat surface to place the TV on.
2. Use soft cloth or cushion to face the TV panel.
   Do not put TV on the table directly.

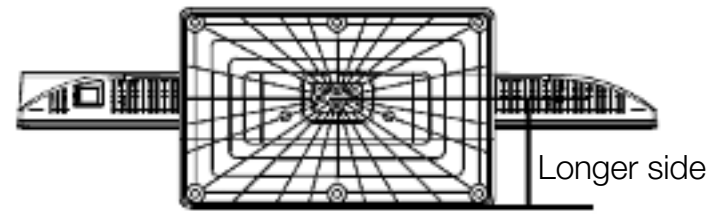
Always unplug the AC cord first when installing/removing the stand.

Step Two

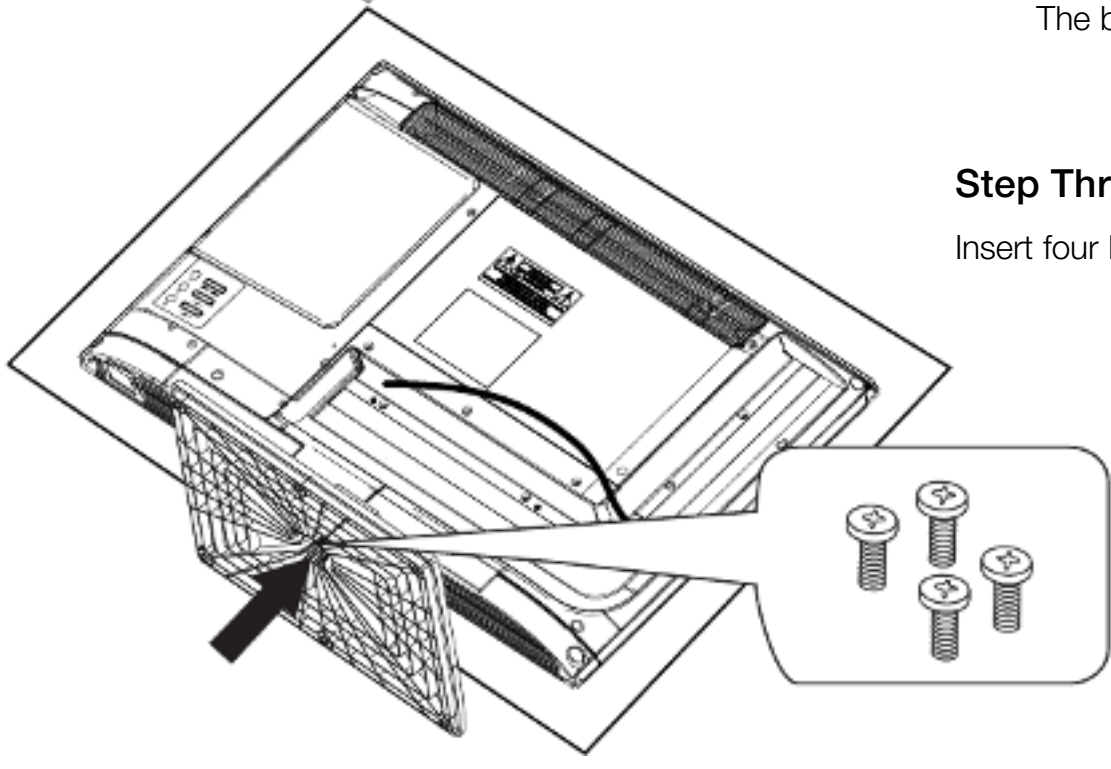
Take out the stand and insert the stand into the installing slot in the lower part of the TV, then put the stand to relevant position of the TV set until all the holes match each other completely.

Match the locating poles of the TV stand to the locating holes of the TV set completely.

Please take note of the stand direction:



The bottom view of the TV (Front cabinet faces down)



Step Three

Insert four M4 screws (all same in size) and tighten them.

Pedestal Screws	Quantity	Part #
M4 x 12mm	4pcs	RS01TB412H

TV Signal Connection

The first step in connecting your TV is obtaining the signal. Your TV LED22B45RQD has a side panel, which allows you to receive analog and/or digital television channels via ANT/CABLE jack.

Before connecting your TV, determine using an antenna or a cable service to obtain the signal.

A. Antenna

Connect the antenna to TV via coaxial cable on ANT/CABLE jack of the side panel. You are ready to receive air local digital and analog channels.

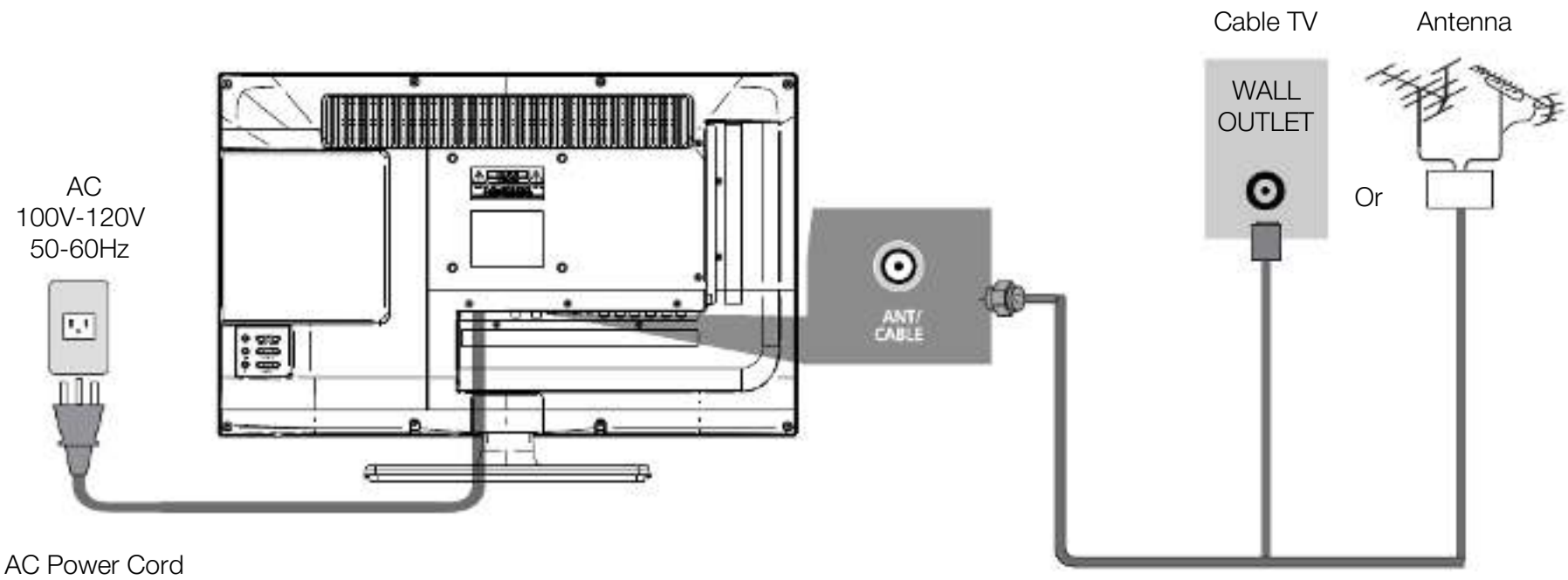
B. Cable TV service

Connect the cable TV wall jack to TV via coaxial cable on ANT/CABLE jack of the side panel. You are ready to receive off-air local digital and analog channels.

C. Set-Top Box

If you use a set-top box, you may need to call your cable company or satellite service provider, which use a special connection, please refer to the user's guide of set-top box.

Note: Do not plug the AC cord until you have accomplished all the connections.

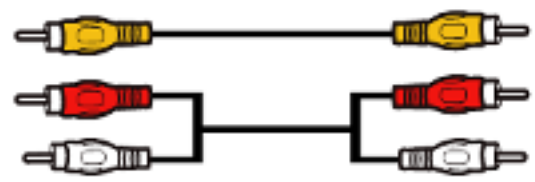
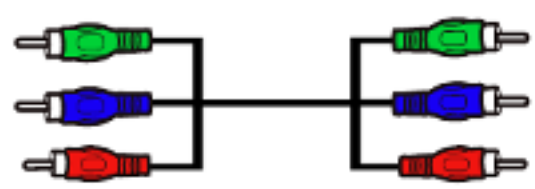


AC Power Cord
(Connect after all the other connections are done.)

Cable Connections

Choose Your Connections

TV LED22B45RQD supports various connections to other devices (such as DVD, VCR, Set-top box, etc.). Please follow the table to choose the cables which adapt to your device.

Jacks	Cables	Further Information
 AV IN VIDEO, R-AUDIO-L	 Video/Audio cable	Go to page 12
 COMPONENT IN Y/Pb/Pr R-AUDIO-L	 Audio Cable  COMPONENT video cable	Go to page 13
 HDMI IN 1/DVI, 2, 3	 HDMI-DVI cable HDMI cable	Go to page 14
 PC INPUT VGA, SOUND/DVI	 Audio cable with 3.5mm terminal VGA cable	Go to page 15

Note:

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC

Caution:

Unplug the AC cord when you connect other devices to TV.

Side Panel Connections

Connecting AV Composite device (Good Video Quality)

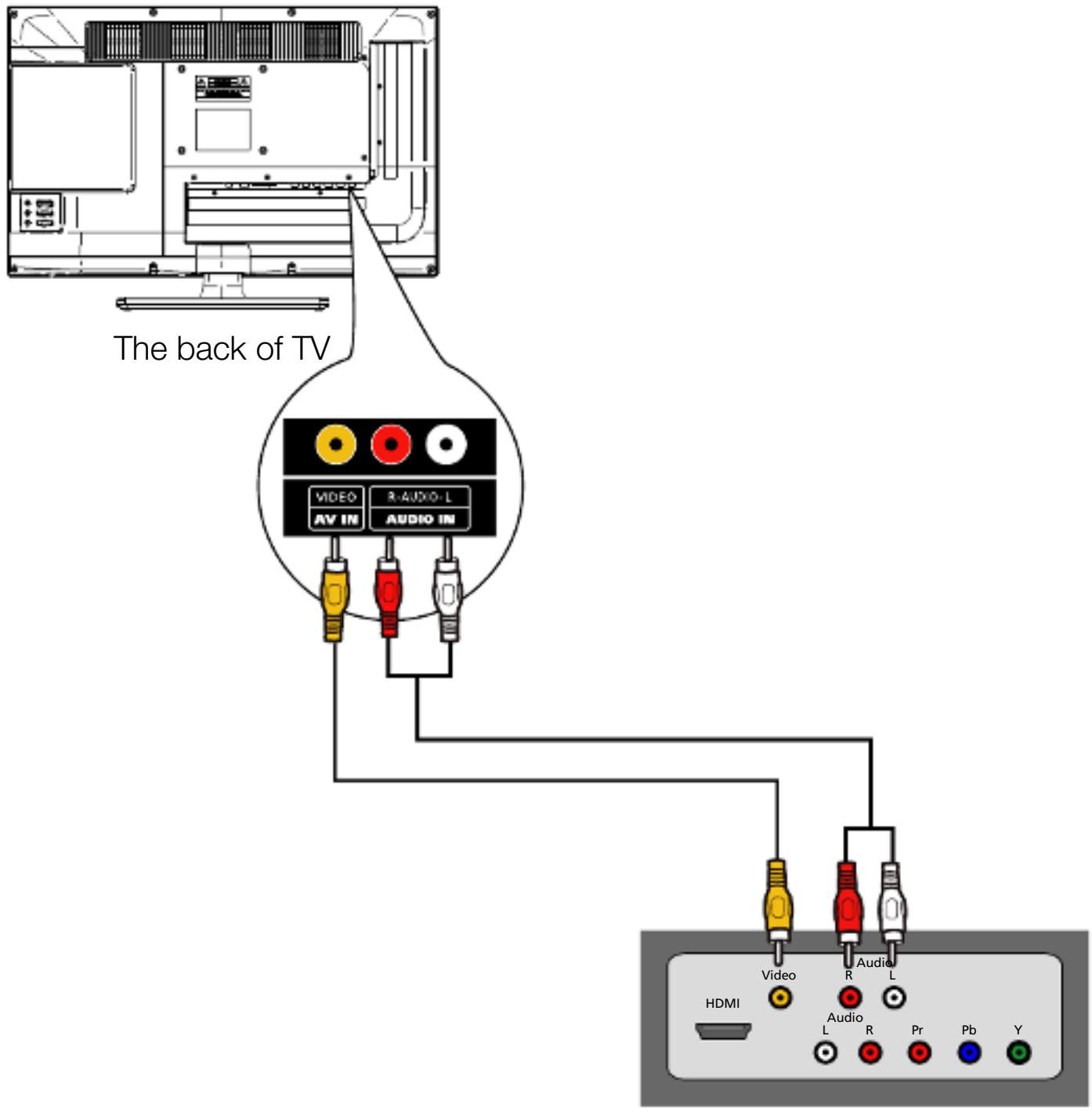
To connect a composite AV device, such as a DVD player, follow these steps:

1. Connect the AV IN VIDEO jack on the back of TV to the video output jacks of device via video cable (yellow).
2. Connect the R-AUDIO-L jacks on the back of TV to the audio output jacks of device via audio cable.
   Notice the left channel jack and plugs are white and the right channel jack and plugs are red.

Note: AV signal belongs to composite video. This kind of video signal has regular good display quality.

Composite Video Connection

The picture below is an example of a connection using the composite video jack.



The back of TV

The output panel of other device

Side Panel Connections

Connecting YPbPr Component device (Better Video Quality)

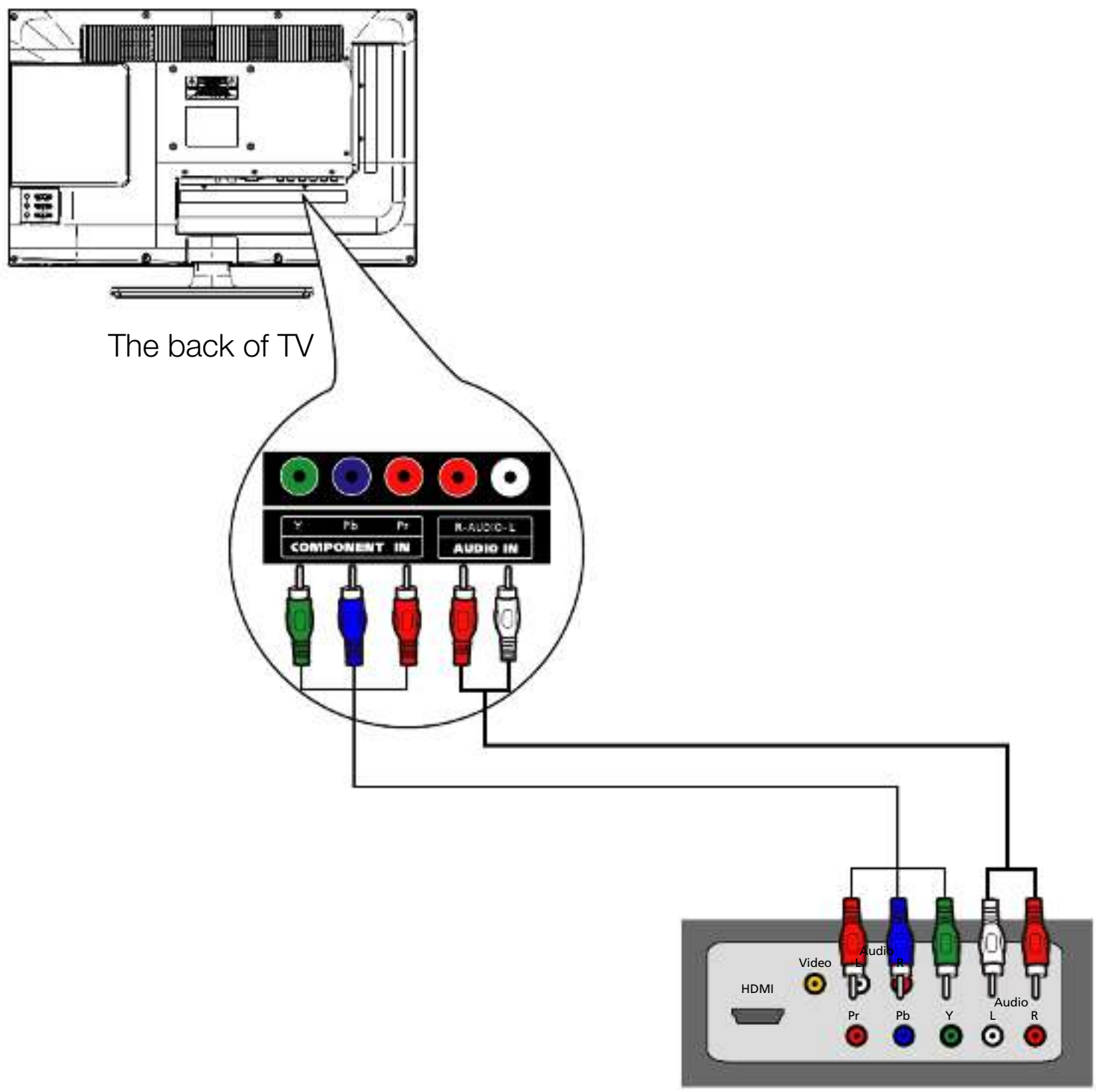
To connect a component device, such as a DVD player, follow these steps:

1. Connect the COMPONENT IN Y/Pb/Pr jack on the back of TV to the video output jacks of device via video cable (green, blue and red).
2. Connect the R-AUDIO-L jacks on the back of TV to the audio output jacks of device via audio cable.
   Notice the left channel jack and plugs are white and the right channel jack and plugs are red.

Note: Y/Pb/Pr jacks are component video. This kind of video signal has better display quality.

Component Video Connection

The picture below is an example of a connection using the component video jack.



The back of TV

The output panel of other device

Side Panel Connections

Connecting HDMI device (Best Video Quality)

To connect a HDMI device, such as a DVD player, please connect the HDMI 1/DVI, 2, or 3 jack on the back of TV to the output jack of device via HDMI cable.

To connect a DVI device, such as a computer via DVI port of PC and HDMI jack of TV:

1. Connect the HDMI 1/DVI, 2 or 3 jack on the back of TV to the DVI port of PC via HDMI-DVI cable.
2. Connect the SOUND/DVI jack on the back of TV to the audio output jack of computer with audio cable (3.5mm stereo jack).

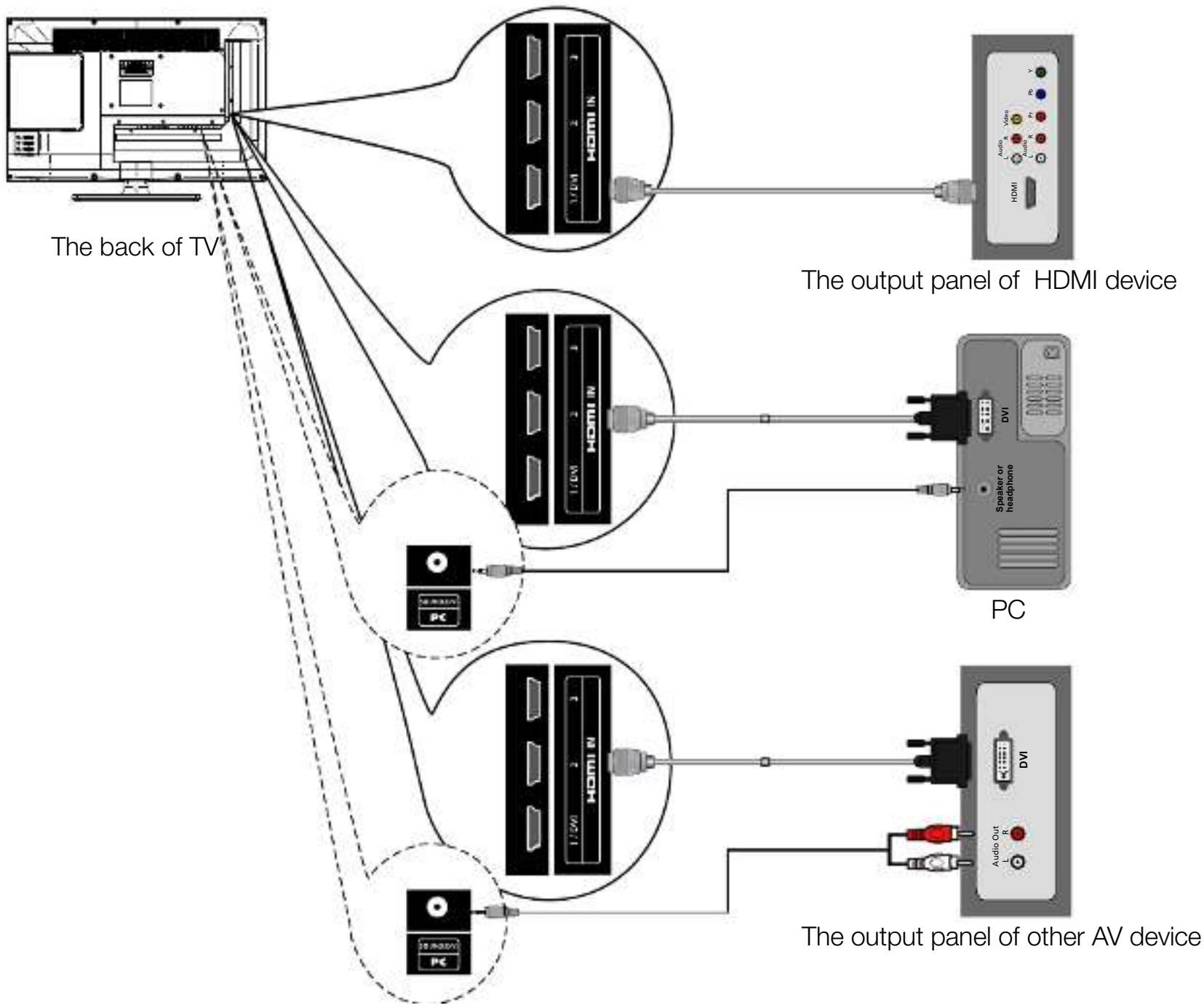
To connect a DVI device, other AV device via DVI port of device and HDMI jack of TV:

1. Connect the HDMI 1/DVI, 2 or 3 jack on the back of TV to the DVI port of device via HDMI-DVI cable.
2. Connect the SOUND/DVI jack on the back of TV to the audio output jack of device with audio cable (dual-channel RCA jacks to 3.5mm stereo jack).

Note: 1. HDMI (High-Definition Multimedia Interface) is a compact audio/video interface for transmitting uncompressed digital data. It carries the audio and video signal via the same cable and has the best display quality.
2. HDMI-DVI cable transfers only video signal from DVI port of DVI device to HDMI jack of TV. For audio signal, please connect audio output to SOUND/DVI jack on TV back panel.

HDMI Connection

The picture below is an example of a connection using the HDMI video jack.



Side Panel Connections

Connecting a computer

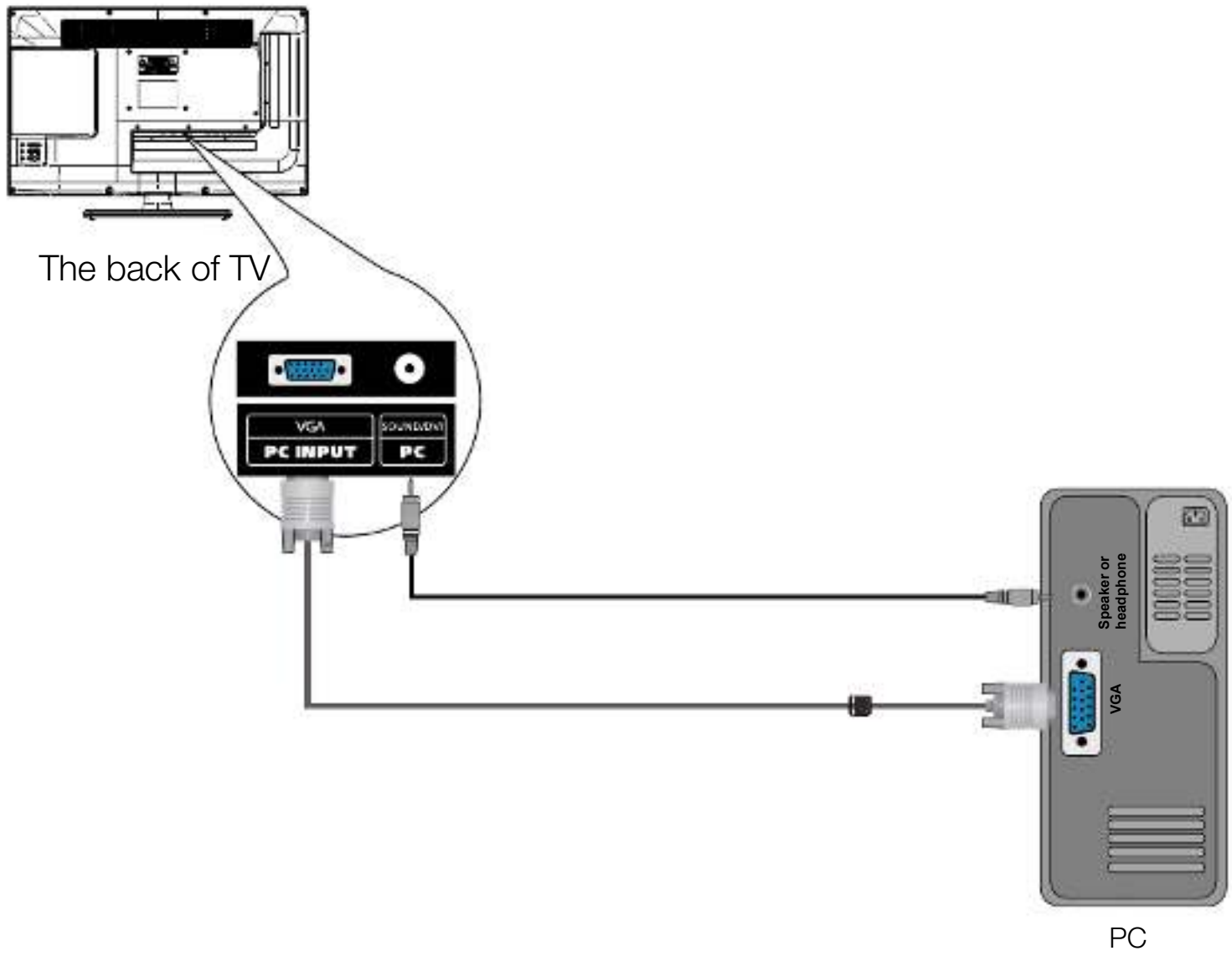
To connect a computer, follow these steps:

1. Connect the PC INPUT VGA port on the side of TV to the VGA output jack of device via D-sub 15-pin cable.
2. Connect the PC SOUND/DVI jack on the side of TV to the audio output jack of computer with audio cable (3.5mm).

*Note: If you want to use your TV as a monitor, please notice that the maxium resolution for LED22B45RQD is 1920*1080. Please set the computer graghic correctly.*

PC Connection

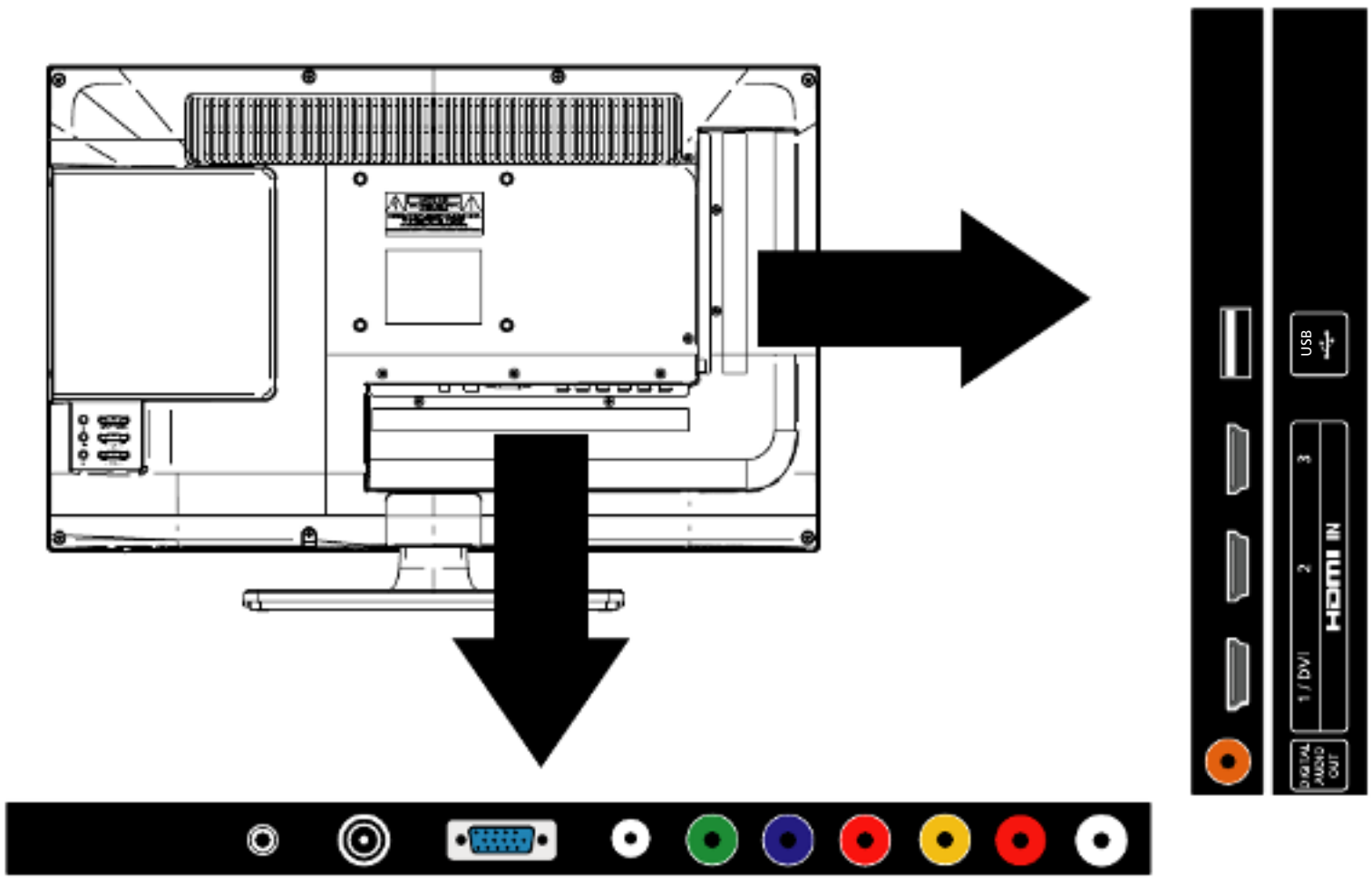
The picture below is an example of a connection using your TV as a PC monitor.



How to Obtain Various Kinds of Input Sources

After connection is done, press INPUT button on remote control or TV top panel to choose the input source you need.
See page 21, Basic Operation of TV.

TV Jacks Explanation



HEAD PHONE: Connect a 3.5mm headphone for personal audio.

ANT/CABLE: Connect to receive the signal from your antenna or cable via coaxial cable.

PC INPUT (VGA, SOUND/DVI):

VGA: Connect your computer or other device with a VGA output to this jack using a 15-pin, D-sub cable.

SOUND/DVI : Use to obtain sound when a PC or DVI device is connected to the VGA/HDMI input. Use 3.5mm stereo mini-pin cable to connect PC or DVI divece to TV.

COMPONENT IN Y/Pb/Pr: Connect a device that has component video jacks, such as a DVD player.

To access device connected to the Y/Pb/Pr jack, press the INPUT button on your remote; then press the up/down arrow to select Component. Press the ENTER button at last to confirm.

- ***Y/Pb/Pr (Component Video):*** They provide good picture quality because the video signal is separated into three components. Use three video-grade or component video cables for the connection. When using Y/Pb/Pr, make sure you connect left an right audio cables to the Audio L and Audio R jacks

AV IN (VIDEO, R-AUDIO-L): Connect an AV device that has composite video jacks, such as a VCR or a DVD player.

To access device connected to these jacks, press the INPUT button on your remote; then press the up/down arrow to select AV. Press the ENTER button at last to confirm.

- ***AUDIO L:*** Left audio channel connection. The left audio connector is usually white. For mono audio sources, be sure to use the left AUDIO INPUT.
- ***AUDIO R:*** Right audio channel connection. The right audio connector is usually red.

Note: *The AV input (Video In), Component input (Y, Pb, Pr) share the same audio input jacks R-Audio-L.*

DIGITAL AUDIO OUT: Connect a coaxial cable for digital audio output.

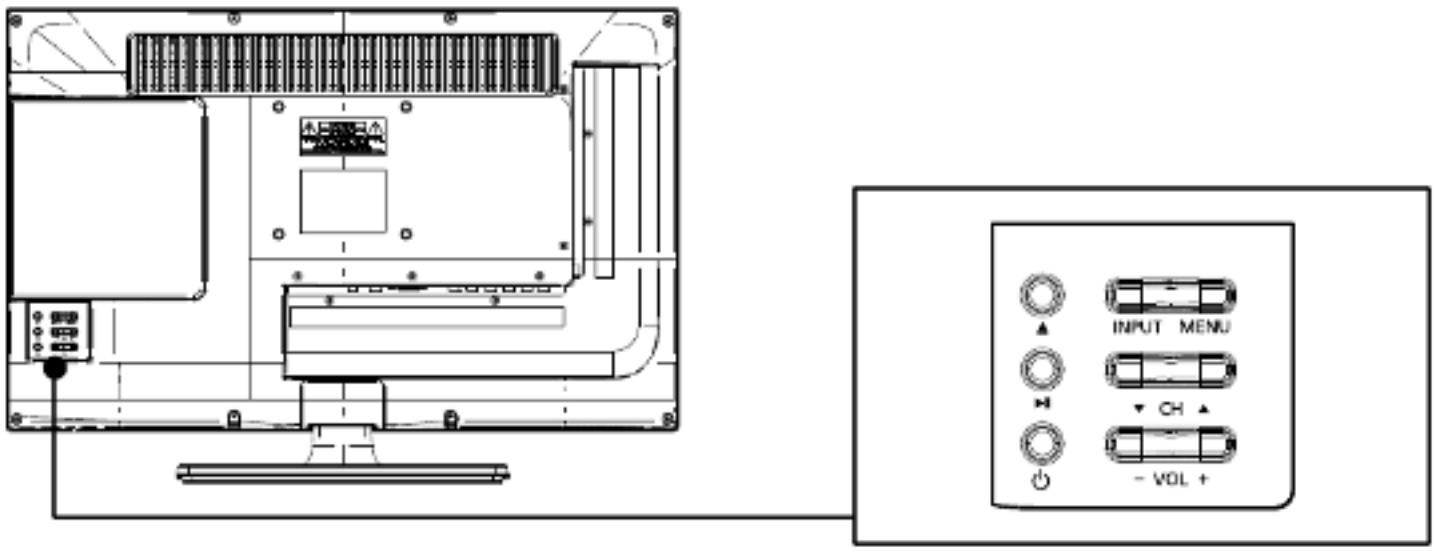
HDMI IN (1/DVI, 2, 3): (High-Definition Multimedia Interface) It provides an uncompressed digital connection that carries both video and audio data by way of an integrated mini-plug cable.

USB: Connect your USB storage device to enjoy music/photo files on your TV. (Also used for service purpose)

Back Keypad and Front Panel

Back Side Keypad Buttons

If you cannot locate your remote, you can use the keypad buttons on your TV to operate many TV features.



INPUT: Displays the Source Select List.

MENU : Displays the TV Main Menu.

CH ▲: Scans up through the channel list. In the TV menu system, it acts like the up arrow on the remote control and can be used to select menu options.

CH ▼: Scans down through the channel list. In the TV menu system, it acts like the down arrow on the remote control and can be used to select menu options.

VOL+: Increases the volume. In the TV menu system, it acts like the right arrow on the remote control and can be used to select menu options.

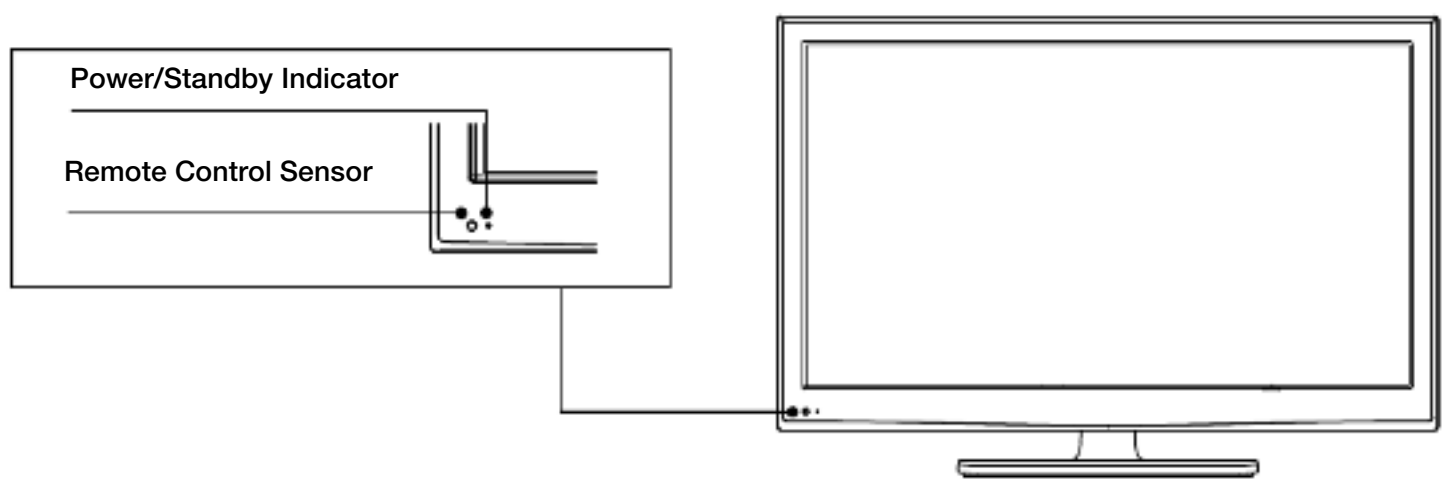
VOL-: Decreases the volume. In the TV menu system, it acts like the left arrow on the remote control and can be used to select menu options.

POWER (⏻): Turns the TV on and off.

Front Panel

About remote control working distance and angle, see page 18.

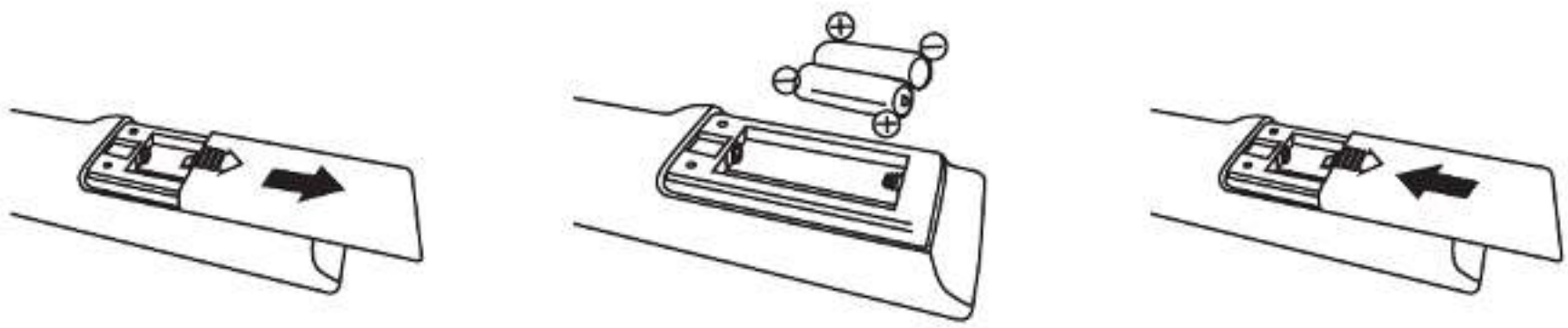
Power/Standby Indicator: Light up in red when the TV is in standby mode. Light out when the TV is on.
Remote Control Sensor: Remote control IR sensor, which receives infrared ray sent by remote control.



Remote Control Instructions

Inserting Batteries in the Remote

- Remove the cover of battery cabin on the back of the remote control by pushing the tab and sliding the cover.
- Insert two AAA batteries, making sure the polarities (+ and -) are aligned correctly.
- Place the cover back.



If the remote control does not work, check these points:

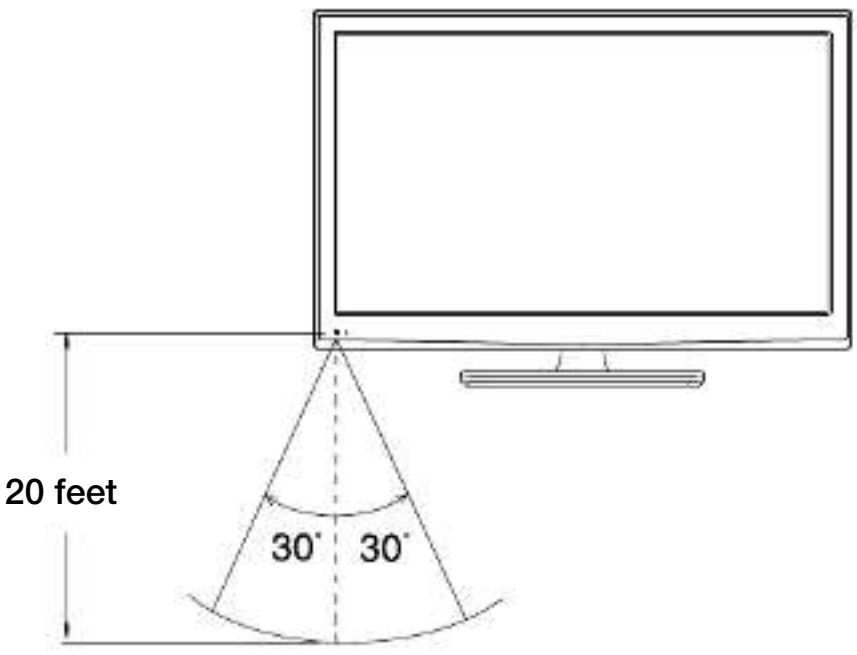
- Are the polarities (+, -) correct?
- Are the batteries worn out?
- Is there an AC power failure?
- Is the power cord plugged in?
- Is there any interference or block near the remote control sensor?

CAUTION:

- Used batteries should be recycled.
- Keep out of children's reach.
- DO NOT use new and old batteries together.
- Change both the batteries at the same time.
- When not using the remote control for a long time, remove the batteries from the unit.

Remote Control Reception Angle

Use your remote control within the distance and angle range shown below.



Universal Remote Control Code List

For Universal Remote Control brands listed below, please use accompanying codes and refer to your Universal Remote Control User Manual for basic Instruction for changing TV code to operate the TV model.

- Codes for DIRECTV: 0178, 10178
- Codes for Time Warner Cable: 0178, 10178
- Codes for Cox Communications: 0178
- Codes for Comcast: 10178
- Codes for Dish Network: 627
- Codes for Fios Verizon: 0205, 0057, 0493, 0775

Learning about Remote Control

Remote Control Buttons

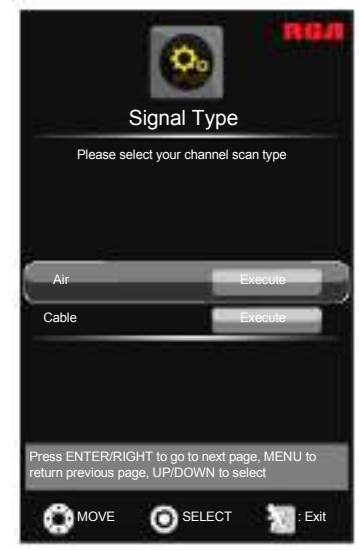
POWER (⏻): Turns the TV on or off.
MUTE (🔇): Reduces the TV volume to its minimum level. Press again to restore the volume.
Numeric Buttons: Use these buttons to enter numbers.
"–": To enter a digital channel with a sub-channel, enter the main channel; then, press this button to enter the sub-channel and press ENTER.
Arrows (◄/►/▲/▼): Uses the four arrows to highlight different items in the TV menu or change the value. The up/down arrow can also work as CH^ /CHv button, and the left/right arrow can also work as VOL-/VOL+ button.
Recall (🔁): Returns to the previous channel.
EPG: Shows Electronic Program Guide (see page 22).
INPUT: Accesses the available input channels (TV, AV, Component, HDMI, PC, Media, DVD). Use the arrows to highlight options, and press ENTER to select.
ENTER: Enter and confirm button.
MENU: Accesses the Main Menu, or return to the upper level of a sub-menu.
EXIT: Exits the current menu or function.
VOL+ or VOL-: Increases or decreases the TV volume.
CH^ or CHv : Scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels.
PICTURE: Switches between the preset picture mode (see page 23).
SOUND: Switches between the preset sound mode (see page 25).
ASPECT: Switches between the preset screen size mode (see page 24).
DISPLAY: Displays the Channel Bar (see page 22).
CC: Selects the closed caption.
MTS: Selects the multi-channel television sound.
SLEEP: Selects the sleep timer, after which the TV will shut off automatically.
FAV.: Adds the current channel to your favorite list, or erases the current channel from your favorite list (if this channel is a favorite channel already).
FAV.+ or FAV.- : Scans up or down through the current favorite channel list.
EJECT (⏏): Ejects or loads the disk from DVD module.
PLAY (►): Plays the DVD disk.
PAUSE/FREEZE (❙❙): Freezes the current screen frame (TV mode), or pauses the DVD playing (DVD).
STOP (■): Stops the DVD playing.
PREV (⏮): Goes back to the previous chapter of DVD.
NEXT (⏭): Skips to the next chapter of DVD.
FR (◄◄) or FF (►►): Fast review or fast forward.
DVD-M: Returns to DVD boot menu.
ZOOM: Zooms the size of screen.
A-B: Sets the A-point to B-point repeating.
TITLE: Returns to DVD title menu.
SETUP: Displays the DVD-setup menu.
REPEAT: Selects the repeating mode.
SUB-T: Selects the DVD subtitle.
AUDIO: Selects the DVD audio language.
Note: For DVD control and operation details, see page 34 to page 37.

Remote control part number RE20QP83

Initial Setup

If it is the first time you turn on your TV, or you have done Clear Channel List option (see page 30), the initial setup menu appears automatically.

Initial Setup
Please choose between Energy Saving and Dynamic mode. You can save more energy with Energy Saving
Energy Saving
Execute
Dynamic
Execute
Press ENTER/RIGHT to go to next page, MENU to return previous page, UP/DOWN to select
MOVE
SELECT
: Exit



Step One

Please select Menu Language, press the up/down arrow select the language you need.
Available languages: English, Spanish and French.

Step Two

Please select the TV installation mode, press the up/down arrow select the mode you need: Home, Retail.
If you select Home mode, the next option is step three. If you select Retail mode, please refer the step four.

Step Three

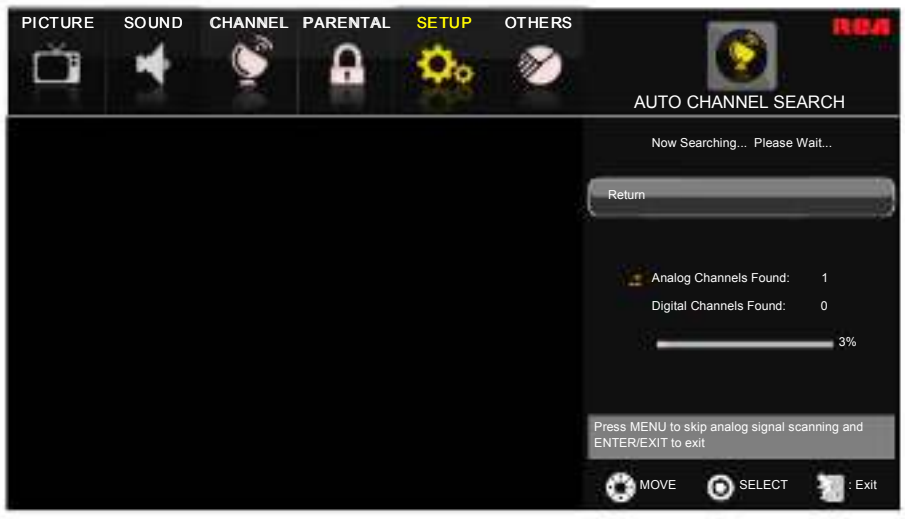
Please choose between Energy Saving and Dynamic mode. You can save more energy with Energy Saving.

Step Four

To choose your TV tuner signal type, press the up/down arrow select the signal type: Air, Cable.
Note: please select TV signal type according to the antenna or cable closed circuit TV you use.

Step Five

If you accomplish the initial setup, the TV will search channels automatically.



What to notice:

1. The channel search access starts from the Analog TV channel searching and ends at Digital TV channel searching.
2. The channels that have been found will be stored automatically.
3. You can press MENU button to skip analog/digital channel searching.
4. You can press ENTER/EXIT button to end the channel searching.

Basic Operations

Turning On and Off

Connect the AC cord to power the LED LCD TV. At this time the TV will enter standby mode and power indicator will turn red.
Use Power button (⏻) on the top panel of TV or on the remote control to turn on the TV. After switching off the TV for 5 seconds, you can turn on TV again.

Choosing TV Channel

Tuning To Analog Channels

An analog channel has a channel number beginning with “A”. Input the digital number with numeric buttons directly and press ENTER button to confirm.
For example, to watch analog channel “A51”, press “5”, “1”, “ENTER” on remote control in sequence.
Note: *Although there is no analog TV signal available in America, we reserve ATV functions for some expansible use.*

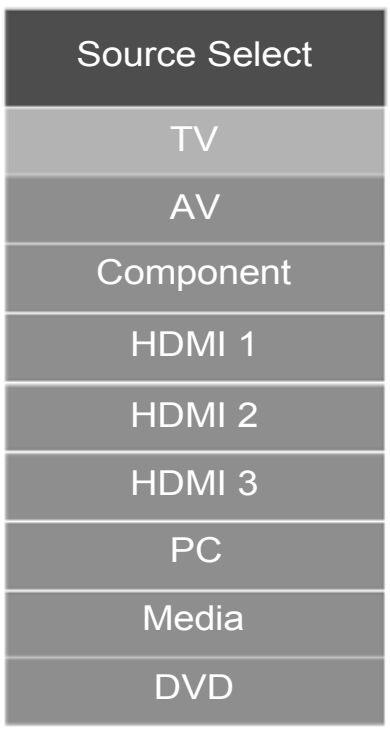
Tuning To Digital Channels

A digital channel has a channel number beginning with “D”. Input the main digital number with numeric buttons directly, then press “ — ” button on remote control, and input the sub number at last.
For example, to watch analog channel “D31-1”, press “3”, “1”, “ — ”, “1”, “ENTER” on remote control in sequence.

Changing Channels Directly

You can use CH∧button to increase channel number and CH∨ to decrease channel number. When no OSD (On Screen Display) is used, the up/down arrows can also work as CH∧/CH∨ buttons.

Selecting Input Source

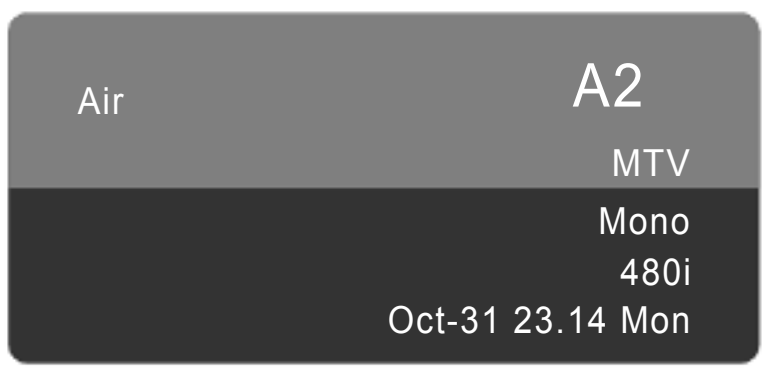


Press INPUT button on remote control to display Source Select list.
Use up/down arrows to highlight the source you need and press ENTER to confirm.

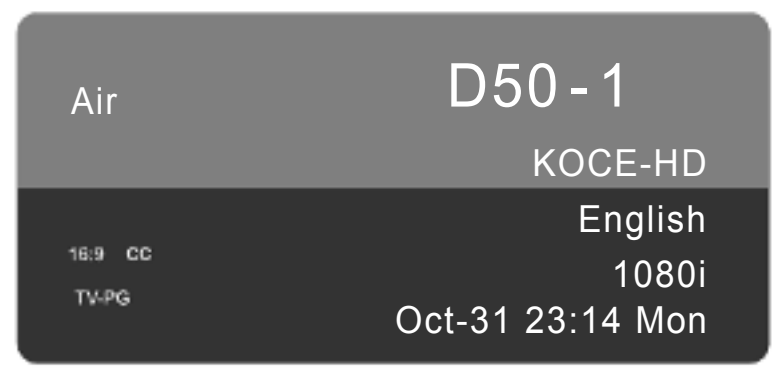
Basic Operations

Channel Bar

Press the DISPLAY button on the remote control, the channel bar will appear on the top right corner of the screen. It displays the current channel's information. The following list describes the items on the channel bar.



ATV



DTV

A2/D50-1 If the channel is analog, A is displayed. If it's a digital channel, D is displayed. For example, in the pictures above, A2 is an analog channel, and D50-1 is a digital channel (-1 is a sub-channel number).

MTV/KOCE-HD Displays the channel label.

Mono/English Displays whether the current channel is being broadcasted in stereo or mono. If the current channel is digital, this space will be SAP (Second Audio Program) language.

480i/1080i Displays the signal resolution.

16:9/CC/TV-PG Displays the screen aspect ratio, closed caption and TV rating level of the current program or channel. These are only available for digital channels.

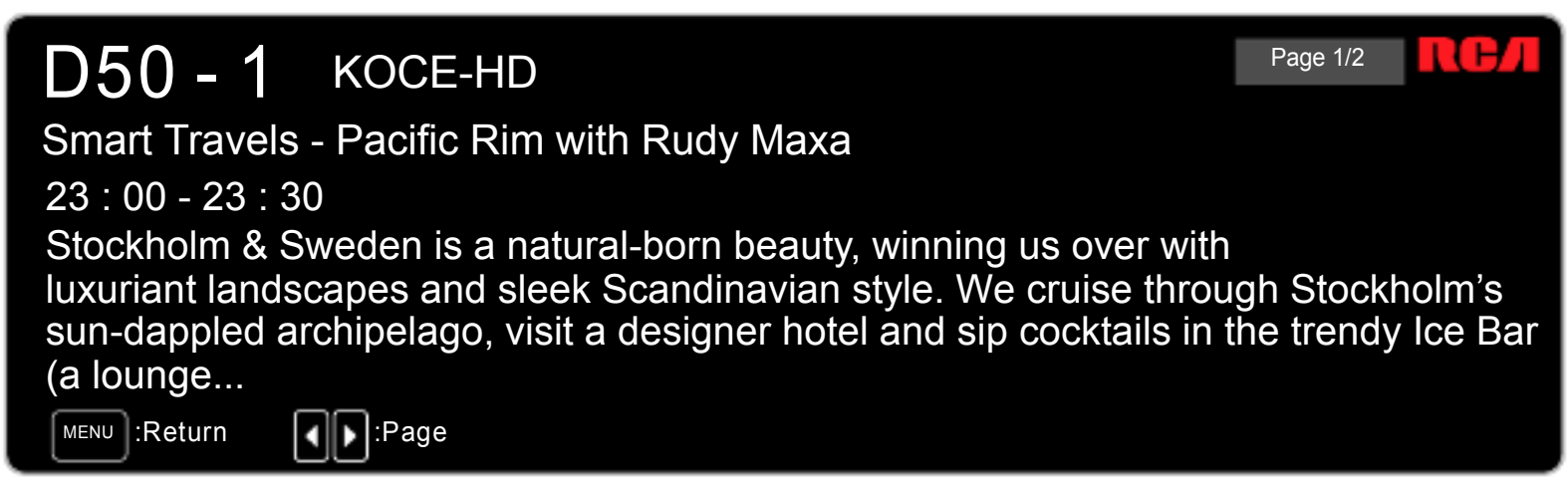
Oct-31 23:14 Mon Displays current date and time.

Adjusting Volume

Press the VOL+/VOL- button on the remote control to adjust the volume. If you want to switch sound off, press MUTE ( ).
When OSD (On Screen Display) is not used, the arrows left/right can also work as VOL-/VOL+ buttons.

EPG (Electronic Program Guide)

Press EPG button on the remote control, the electronic program guide will appear in the center of screen.
The electronic program guide gives the TV program playing project. You can use left/right arrows to switch pages.


D50 - 1 KOCE-HD
Page 1/2
RCA
Smart Travels - Pacific Rim with Rudy Maxa
23 : 00 - 23 : 30
Stockholm & Sweden is a natural-born beauty, winning us over with luxuriant landscapes and sleek Scandinavian style. We cruise through Stockholm's sun-dappled archipelago, visit a designer hotel and sip cocktails in the trendy Ice Bar (a lounge...
MENU :Return
:Page

OSD Menu Operations

Adjust the OSD Screen

The OSD (On Screen Display) menu enables you to approach to the TV functions.

To use OSD menu system, press MENU button on remote control, then use left/right arrow to highlight an option from PICTURE, SOUND, CHANNEL, PARENTAL, SETUP or OTHERS and press ENTER/down button.

Press the up and down arrow to move to a different option within each menu. If necessary, press ENTER or right arrow to display the choices of the option you've highlighted. If available, use the text at the bottom of each screen for help. To return to the previous menu, press the MENU button.

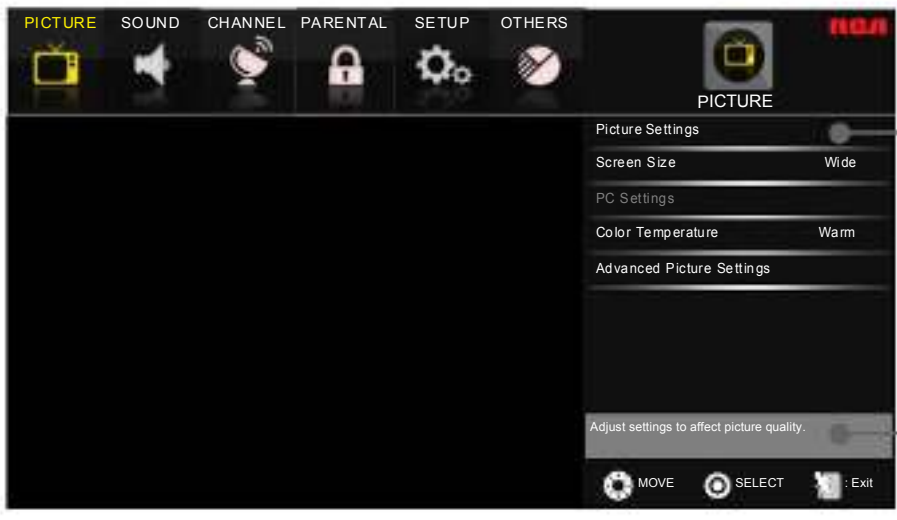
To exit the OSD menu:

- Press the EXIT button. The menu will clear from the screen.
- Press the MENU button repeatedly until the menus disappear.

Picture Menu

The Picture Menu contains menus and controls to configure the way the picture appears. The Picture Menu options apply to the video for the main TV and VIDEO INPUT selections. All picture options can be applied to each input.

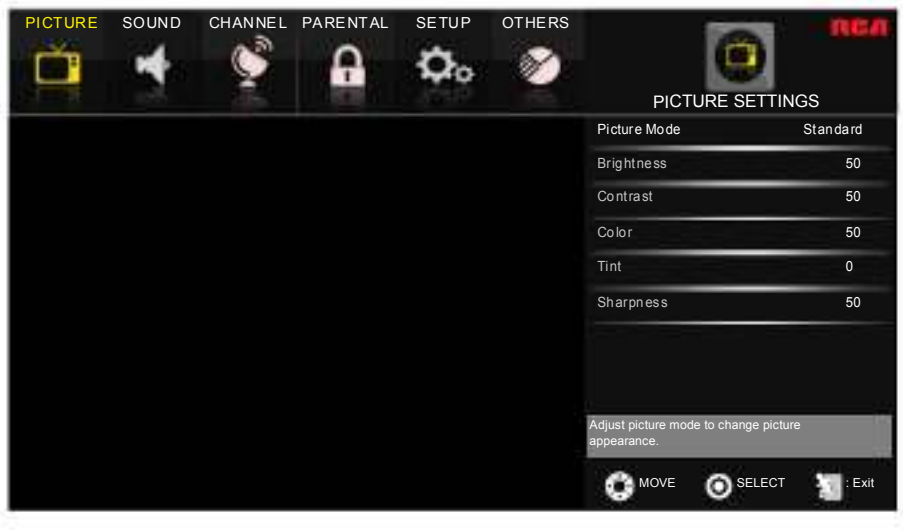
Press MENU on the remote. Select Picture from the Main menu. Press the ENTER/down button to proceed to PICTURE menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. The sub-menu image and explanation are shown below.

If available, use the text at the bottom of each screen for help.

Picture Settings

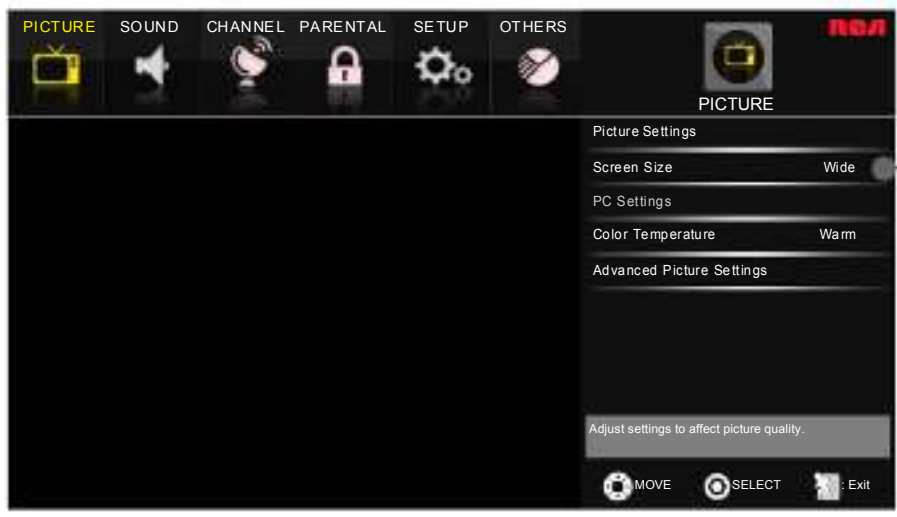


Picture Mode: Choose the preset visual mode of your TV: Standard, Movie, User, Dynamic, Power Saving. （Only in User mode you can adjust Brightness, Contrast, Color, Tint and Sharpness. Changes to Power Saving mode can decrease the power consumption.）

- Brightness: Adjust the brightness of picture.
- Contrast: Adjust the contrast of color.
- Color: Adjust the richness of color.
- Tint: Adjust the balance between red and green level (only available in NTSC signal).
- Sharpness: Adjust the sharpness level of picture.

OSD Menu Operations

Screen Size



Screen Size: Select a screen aspect ratio. (Available ratio: Wide, Cinema, Zoom, and Normal.) Please choose the ratio that applies to your video signal format best.

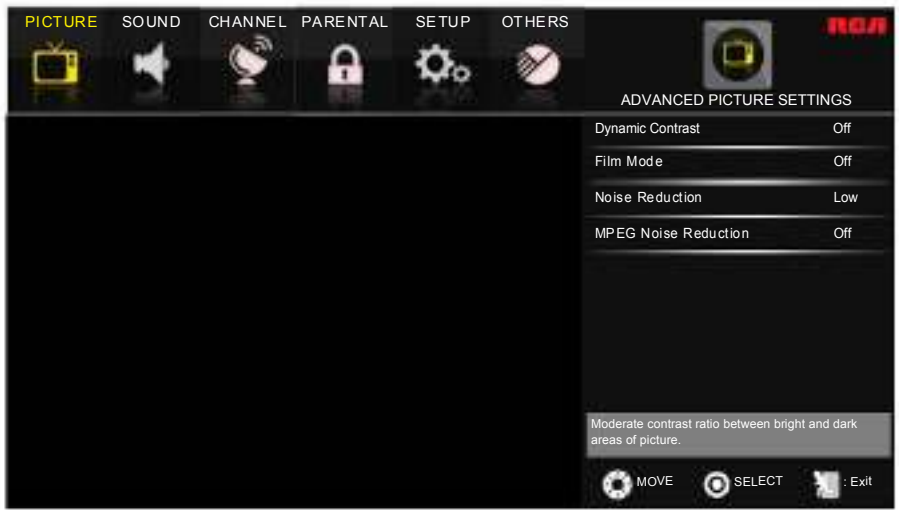
PC Settings (only available in PC mode)

- Auto Adjust: Adjust the PC picture display automatically.
- Horizontal Position: Adjust the horizontal position of picture.
- Vertical Position: Adjust the vertical position of picture.
- Clock: Adjust the clock of picture.
- Phase: Adjust the phase of picture.
- Reset: Reset all the PC picture settings to factory default.

Color Temperature

This option allows you to select one of three automatic color adjustments: Cool for a bluer palette of picture colors; Normal or Warm for a redder palette of color.

Advanced Picture Settings (not available in PC mode)

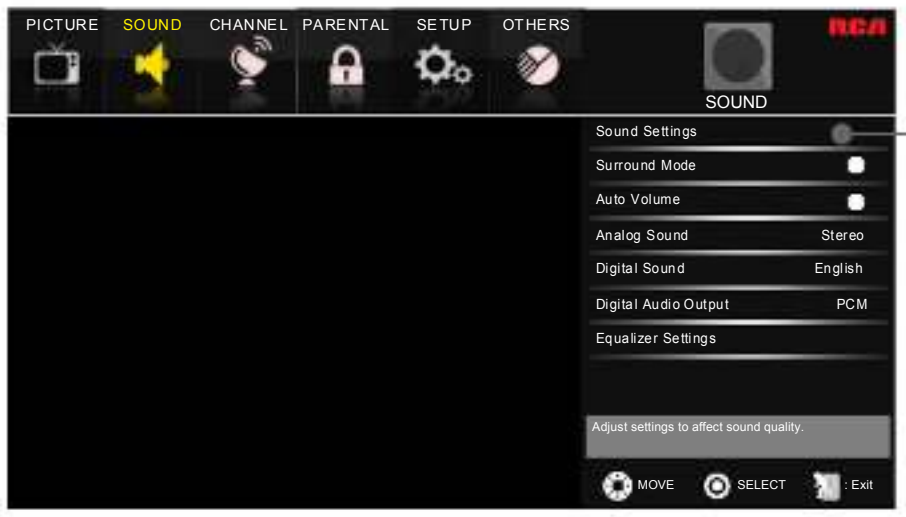


- Dynamic Contrast: Set dynamic contrast Off/low/Medium/High.
- Film Mode: Set film mode on/off.
- Noise Reduction: Set noise reduction as Off/low/Medium/High.
- MPEG Noise Reduction: Set MPEG noise reduction as Off/low/Mediumor High.
  Note: Noise reduction helps to reduce the picture “static” or any type of interference. This feature is especially useful for providing a clearer picture in weak analog signal conditions. The MPEG Noise Reduction specifically works on video signal with MPEG coding.

OSD Menu Operations

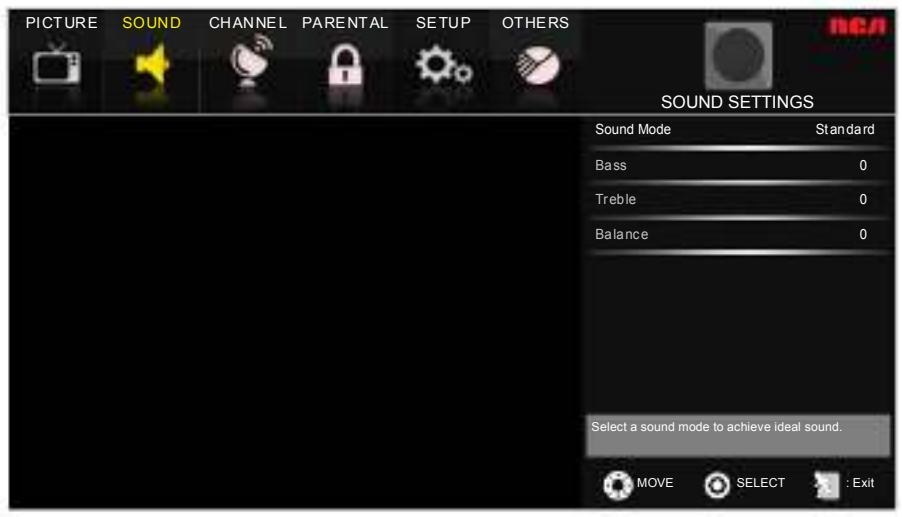
Sound Menu

The Sound Menu lets you adjust audio output. To access the Sound Menu, press MENU on the remote, and then select SOUND from the Main Menu. Press ENTER/down button to proceed to SOUND menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. The sub-menu image and explanation are shown below.

Sound Settings



- Sound Mode: Choose the preset sound mode of your TV: Standard, Soft, User, Dynamic. Only in User mode you can adjust Bass, Treble, Balance.
- Bass: Adjust the bass component of TV sound.
- Treble: Adjust the treble component of TV sound.
- Balance: Adjust the balance between the left and right channel.

Surround Mode

Creates a 3D sound surround from standard stereo material, with deep and rich enhancement.

Auto Volume

Set auto volume control on/off.

Analog Sound

Select analog TV audio sound type: Stereo, Mono or SAP (only available in TV mode).

Digital Sound

Select digital TV audio language type: English, French or Spanish (only available for DTV channel).

Digital Audio Output

Set the audio output type as Off, PCM or Raw. Please set this option according to your power amplifier.

OSD Menu Operations

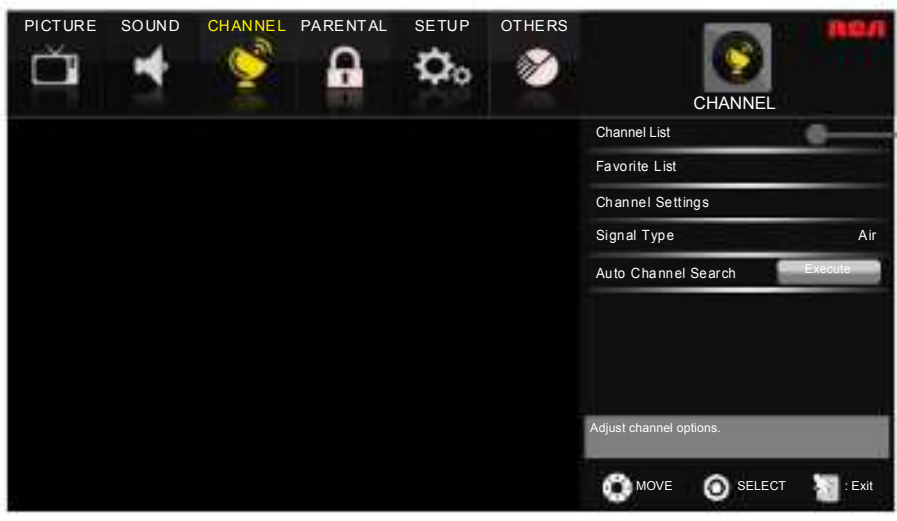
Equalizer Settings

The seven-band graphic equalizer allows you to adjust the audio frequency settings. You can select one of the equalizer presets (Off, Pop, Rock, Jazz) or create your own personal preset (User).

Press the left or right arrow to select the frequency (100Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz, 10KHz) you want to adjust. Use the up or down arrow to adjust.

Channel Menu

The Channel Menu enables you to search, view and edit channels. It is available in TV mode only.
Press MENU and choose CHANNEL from the Main menu. Press the ENTER/down button to proceed to CHANNEL menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. The sub-menu image and explanation are shown below.

Channel List

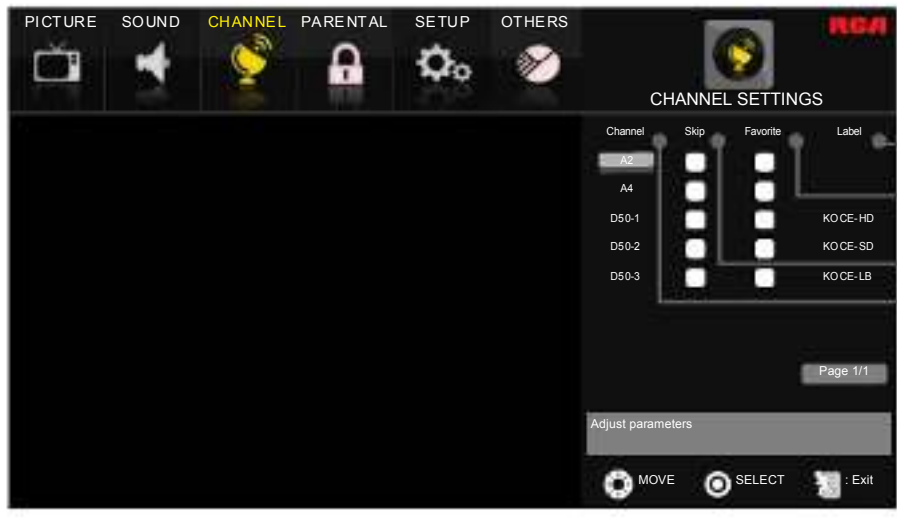
Displays a channel list. It shows the current channels.

Favorite List

Displays a favorite channel list. It shows the current favorite channels.

Channel Settings

Go to channel setting sub-menu (as shown below).



Enter a channel label to rename the current channel.

Set if the current channel is the favorite channel.

Set if the current channel is skipped.

Press up/down arrow to switch the channel you want to edit.

OSD Menu Operations

Signal Type

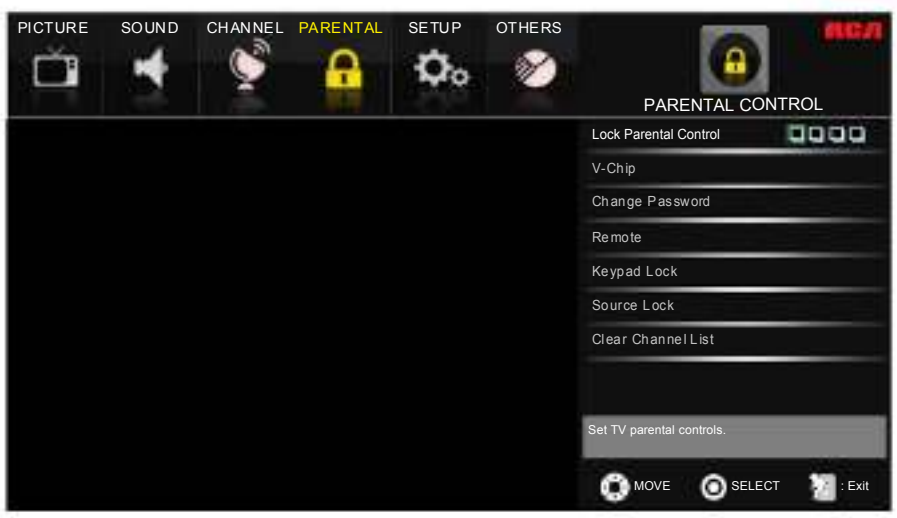
Select your TV signal type: Air or Cable.

Auto Channel Search

Execute an auto channel search (see page 20).

Parental Menu

The Setup Menu enables you to lock program with special content, panel key board and input source.
Press MENU and choose PARENTAL from the Main menu. Press the ENTER/down button to proceed to PARENTAL menu.



Lock Parental Control

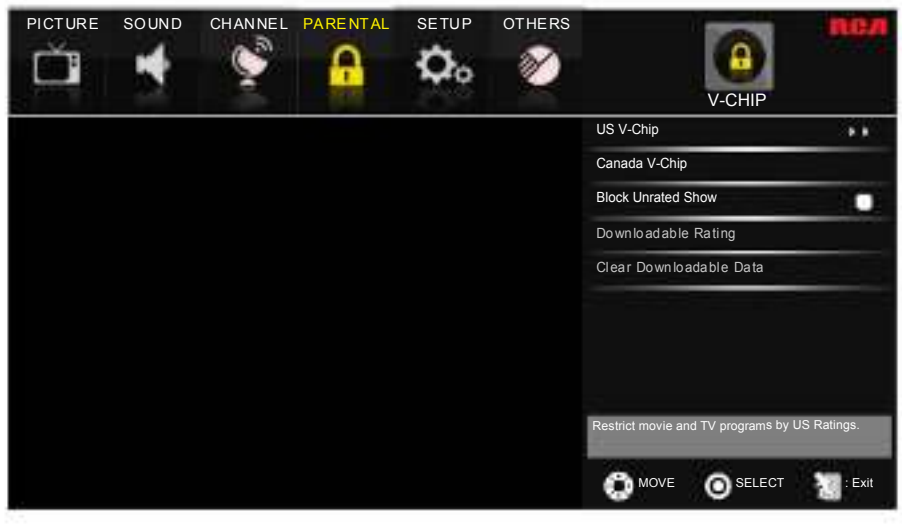
- When the Parental Control Menu is accessed from the Main Menu, you need to enter password to unlock the menu function. Please enter your four-digit password with numeric keys 0~9.

Note: *The original password is "0000".*

- After unlocking, the items in parental control menu can be used. Use arrow up/down to highlight the function you need and press ENTER or right arrow to use V-chip, Change Password, Keypad Lock and Source Lock, Clear Channel List sub-menu.

V-Chip

Press ENTER or right arrow to enter V-chip sub-menu, the detail as follow:

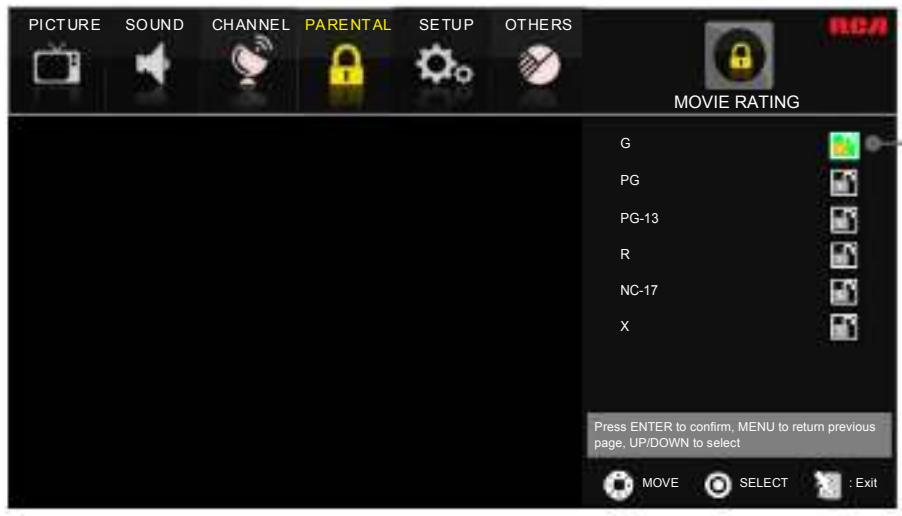


US V-Chip

Press ENTER or right arrow to enter US V-Chip ratings menu, which contains two sub-menus: Movie Rating and TV rating.
See next page for more details.

OSD Menu Operations

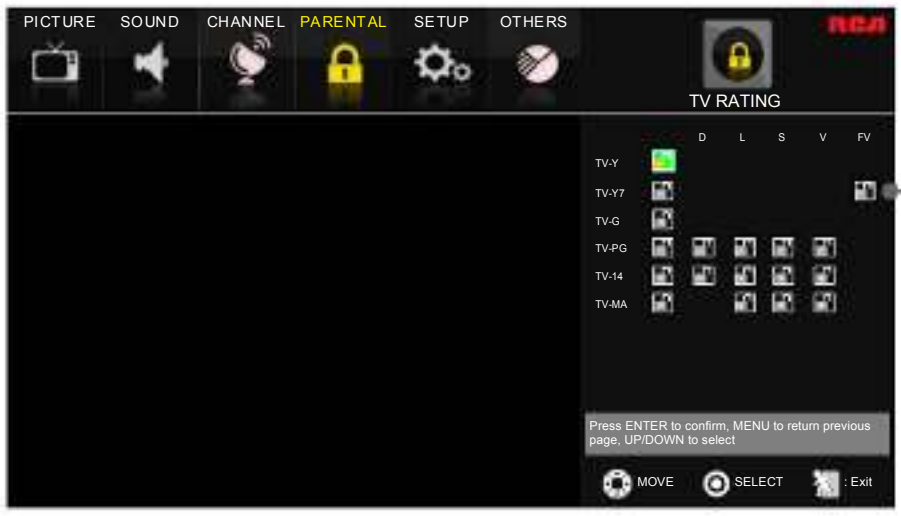
Movie Rating



Use arrow keys to select the rating level you want to block, press ENTER to lock/unlock the rating level. If you have blocked a lower level rating, the higher ratings will be blocked too.

For example, when PG-13 is blocked, R, NC-17 and X will be blocked at the same time.

TV Rating



Similar with Movie Rating.

After adjusting, press MENU to return or press EXIT to exit the menu.

TV Rating Overview

	Age-Based Ratings		*Content Themes*
TV-MA	Mature Audience Only	D	Sexually Explicit Dialogue
TV-14	Parents Strongly Cautioned	L	Adult Language
TV-PG	Parents Guidance Suggested	S	Sexual Situations
TV-G	General Audience	V	Violence
TV-Y7	Directed to Children 7 Years and Older	FV	Fantasy Violence
TV-Y	All Children		

For more rating explanation, see page 41.

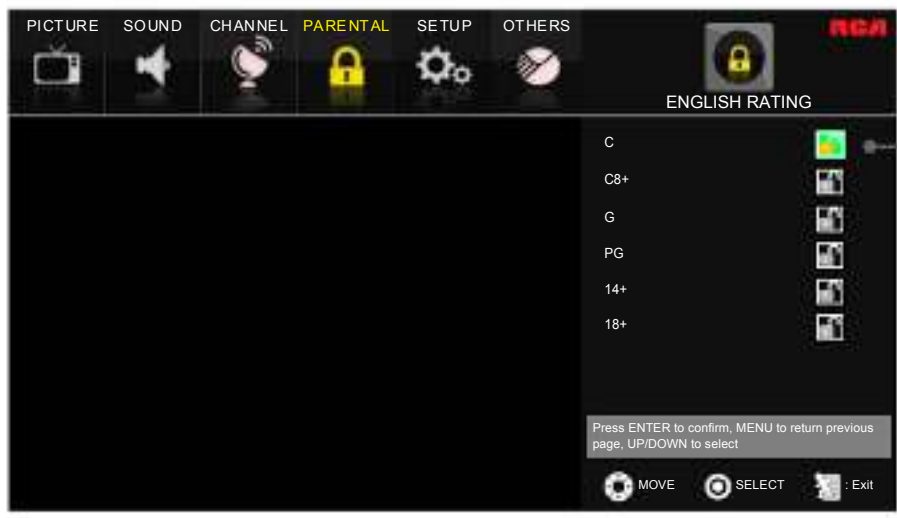
OSD Menu Operations

Canada V-Chip

Press ENTER or right arrow to enter US V-Chip ratings menu, which contains two sub-menus: English Rating and French Rating.

English Rating

Press ENTER or right arrow to enter English rating menu.

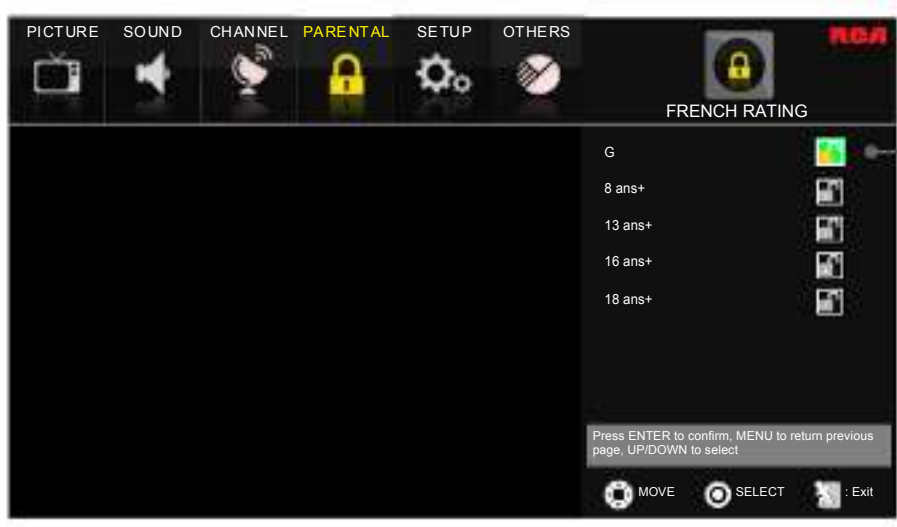


Use arrow keys to select the rating level you want to block, press ENTER to lock/unlock the rating level. If you have blocked a lower level rating, the higher ratings will be blocked too.

For example , when PG is blocked, 14+ and 18+ will be blocked at the same time.

French Rating

Press ENTER or right arrow to enter French rating menu.



Similar with English Rating.

Note: *These ratings are available only if the broadcaster is sending rating information.*

Block Unrated Show

Block all the unrated program.

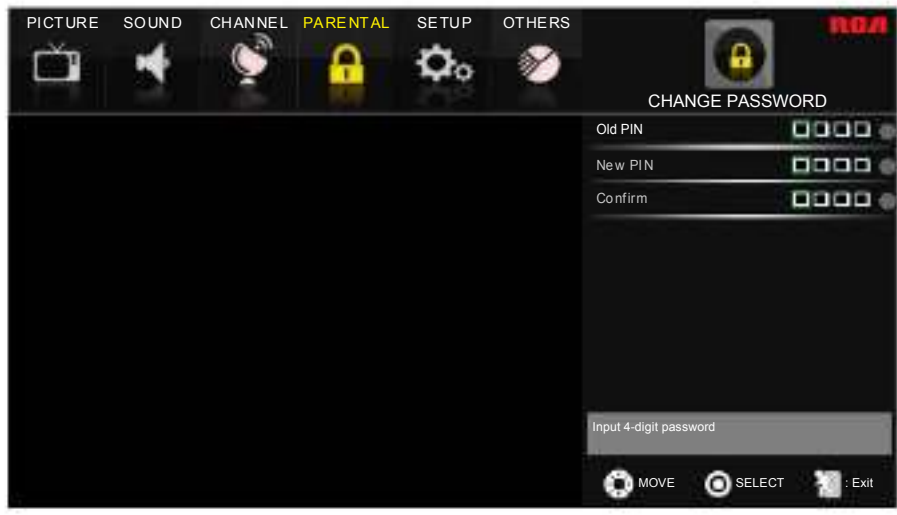
Downloadable Rating, Clear Downloadable Data

Activate or downloadable rating data. if available.

OSD Menu Operations

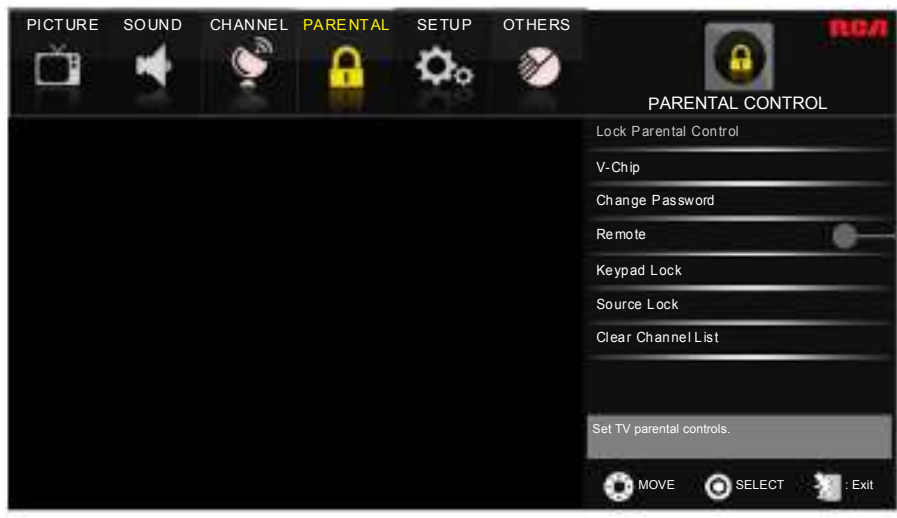
Change Password

Change the password of parental menu.



Input the old password.
Input the new password.
Input the new password again to confirm.

Remote



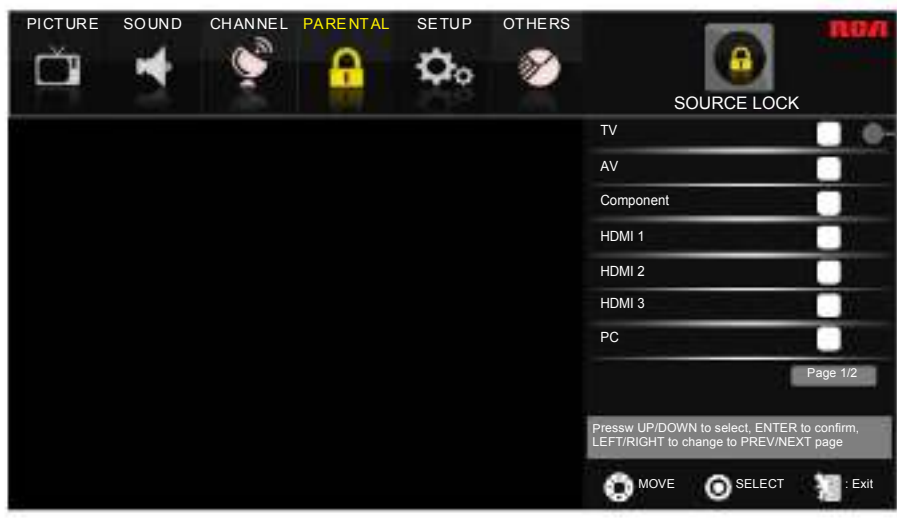
Select your Remote: Off, Remote1 or Remote2.
This is for special purpose.

Keypad Lock

Select this option to block or unblock the TV's side panel buttons so that they can't be used.

Source Lock

This option allows you to lock or unlock the input source. The source blocked can not be chosen from input list unless you input the correct parental password.



Use up/down arrow to select the source, press ENTER to lock or unlock it.

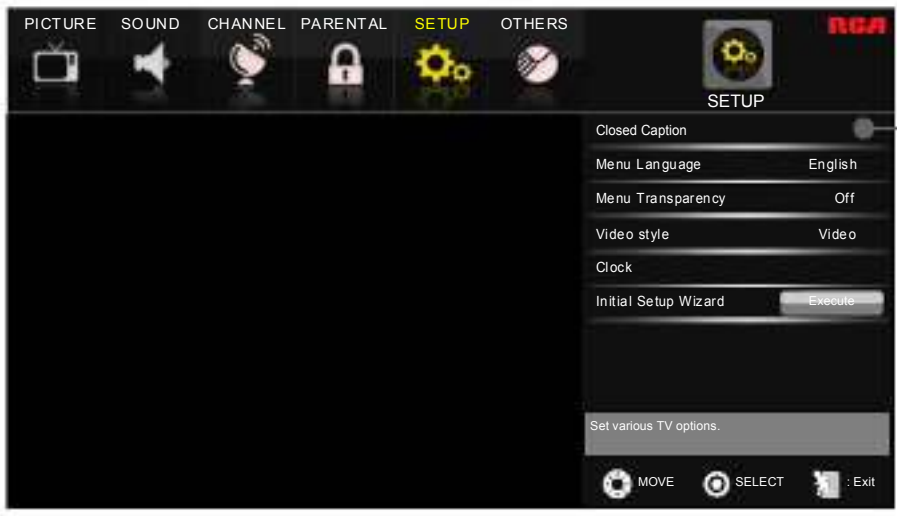
Clear Channel List

This option allows you to execute Clear Channel List function.
This function will reset the whole TV system to factory default (not only reset OSD menu).

OSD Menu Operations

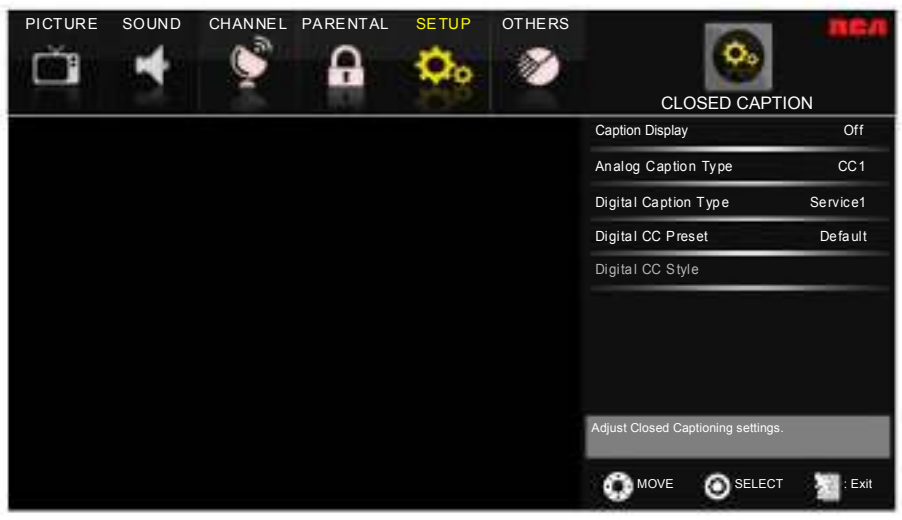
Setup Menu

The Setup Menu lets you config the TV with your preferences.
Select SETUP from the Main Menu. Press ENTER/down button to proceed to SETUP menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. The sub-menu image and explanation are shown below.

Closed Caption



Caption Display

Press left/right arrow to select caption display on or off.

Analog Caption Type

Press left/right arrow to select analog closed caption type: CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, TEXT4.

Digital Caption Type

Press left/right arrow to select digital closed caption type: Service1, Service2, Service3, Service4, Service5, Service6.

Digital CC Preset

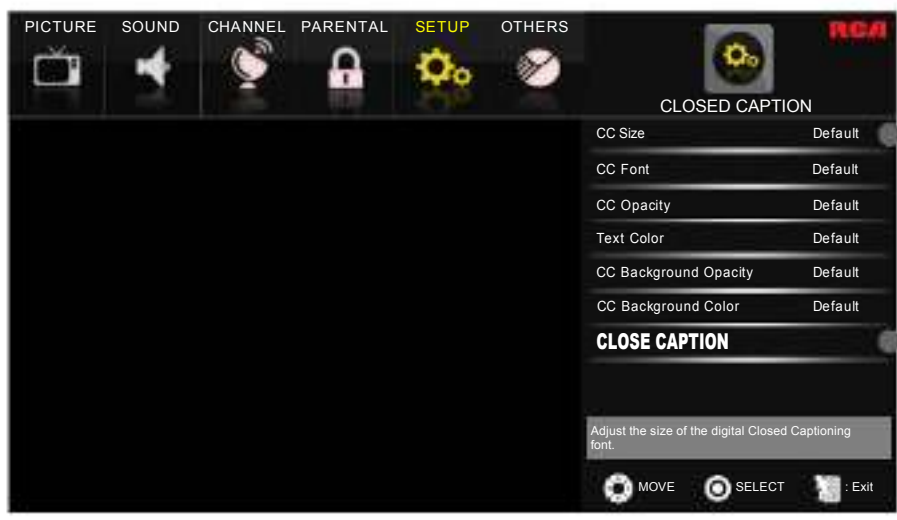
Press left/right arrow to select digital closed caption preset: Default, Custom.
Only in custom mode you can adjust the digital closed caption style.

Digital CC Style

Press left/right arrow to go to digital closed caption style sub-menu (see next page).

OSD Menu Operations

Digital CC Style



Select the item you want to adjust in Digital CC Style menu with up/down arrows.

After changing, you can preview the caption style here.

Menu Language

To choose your menu language, press the left/right arrow until the language you need appears.
Available languages: English, French and Spanish.

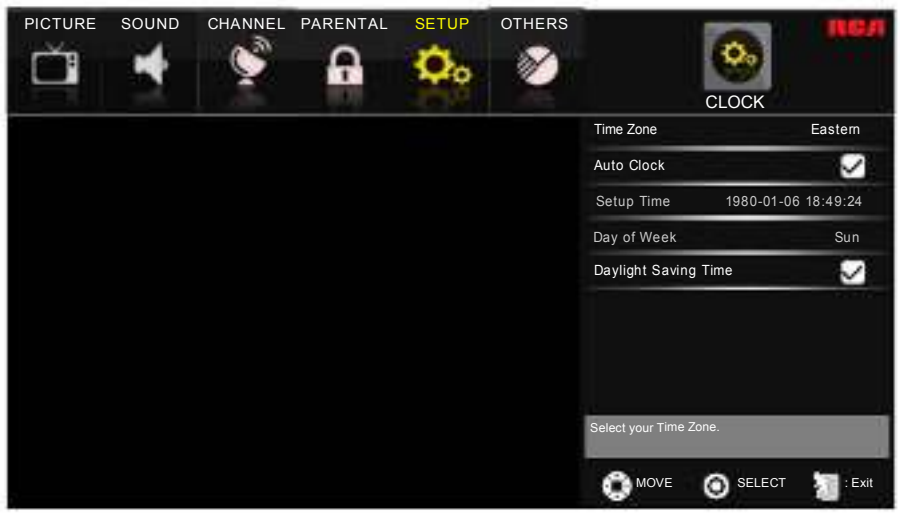
Menu Transparency

To choose your menu transparency mode, press the left/right arrow until the transparency you need appears:
Off, Low, Medium, High.

Video Style

If you connect the HDMI/DVI port of PC to HDMI jack of the TV and the video signal is 1080p, please choose the compatible video style: Video, Graphic.

Clock



Time Zone

Select your time zone: Eastern, Central, Mountain, Pacific, Alaska, Hawaii, Samoa, Newfoundland, Atlantic.

Auto Clock

Select auto clock on/off. Auto clock helps you synchronize your TV time to standard time (from DTV signal).

Setup Time

Set your TV time manually (needs to turn off auto clock).

Day of Week

Displays what day it is (can’t be adjusted, displays only).

Daylight Saving Time

Set your daylight saving time on or off (needs to turn on auto clock).

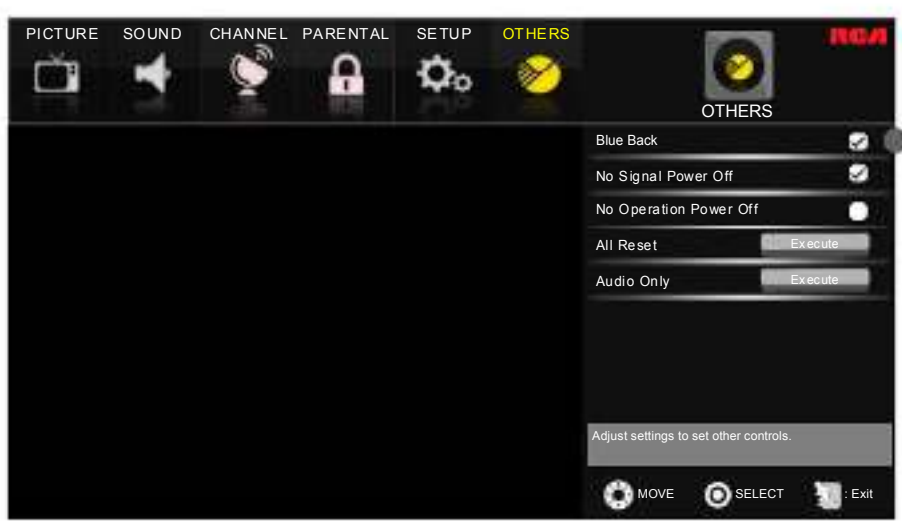
Initial Setup Wizard

To set the initial settings. (see page 20)

OSD Menu Operations

Others Menu

The Others Menu lets you config the TV with your preferences in other features.
Choose OTHERS from the Main Menu. Press ENTER/down button to proceed to SETUP menu.



Use up/down to choose the function you need, press ENTER or right arrow to adjust or enter a sub-menu. The sub-menu image and explanation are shown below.

Blue Back

Press ENTER button to select Blue Back on or off. If the Blue Back is turned on, the TV will display a blue background when there is no signal input.

No Signal Power Off

Press ENTER button to select “No Signal Power Off” on or off. If it is turned on, the TV will shut off after 10-minute no signal time. We suggest you turn on this function when Blue Back is turned on. It may hurt the LED LCD panel if blue screen is on for too long.

Note: In PC mode, the monitor standby and power off settings depend on the No Signal Off time.

No Operation Power Off

Press ENTER button to select “No Operation Power Off” on or off. If it is turned on, the TV will shut off after a 3-hour no operation time.

All Reset

Press ENTER button to execute reset to TV system. All the settings will be reset to factory default.

Audio Only

Press ENTER button to activate audio only mode. The TV will output only sound and the LED LCD panel will be turned off. To restore normal playing, hold POWER button for three seconds.

Note: The OSD’s appearance and color are referred to the actual appliance.

DVD Operations

DVD mode of TV LED22B45RQD

TV LED22B45RQD has a built-in DVD player module, which you can use to watch DVD disk. The following operation guide gives the DVD module instruction.

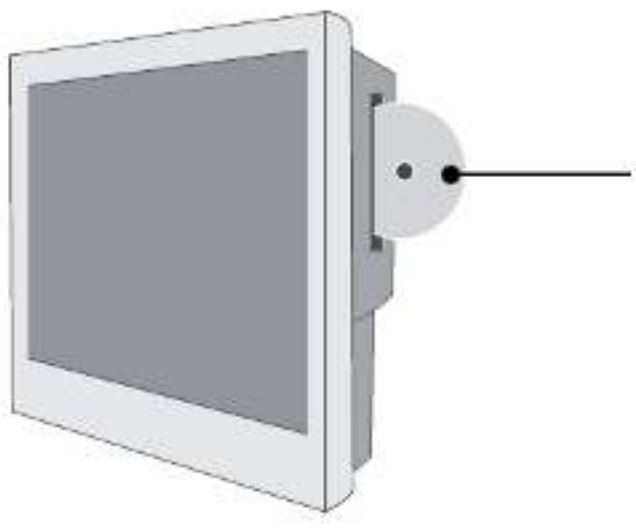
1. How to enter DVD mode for TV LED22B45RQD

Press INPUT button on remote control, select “DVD” in the Source Select menu (see page 21), then press ENTER or right arrow to enter DVD mode. The DVD will start playing automatically if there is a disk in DVD module. If not, the TV will display a standy screen as shown. And a “No Disc” message will appear on screen.

Note: The TV will turn to DVD mode automatically when you insert a disk, no matter which mode it is now.

2. Insert a disk to DVD player

Insert the DVD disk with reflector surface facing the front of TV.



Disk reflector surface facing the front of TV.

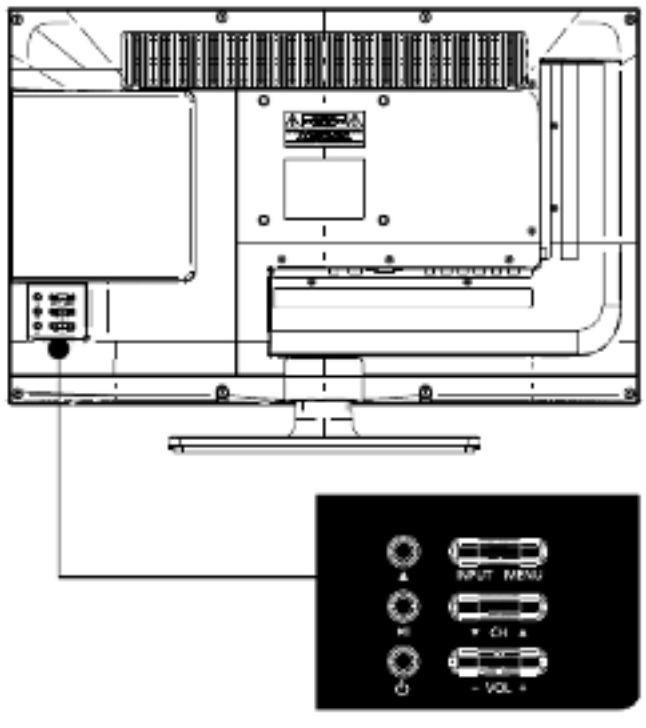
Note: Do not insert with much strength.
Insert disk gently and the DVD module will load in the disk automatically.

3. DVD control

You can control the DVD playing with keypad on DVD module or with remote control.
For operating information, see next page.

DVD Operations

Keypad on DVD module



EJECT (▲): Ejects or loads the disk from DVD module.
PLAY/PAUSE (▶II): Plays or pauses the DVD disk.

About DVD control buttons on remote control, see page 19, remote control buttons.

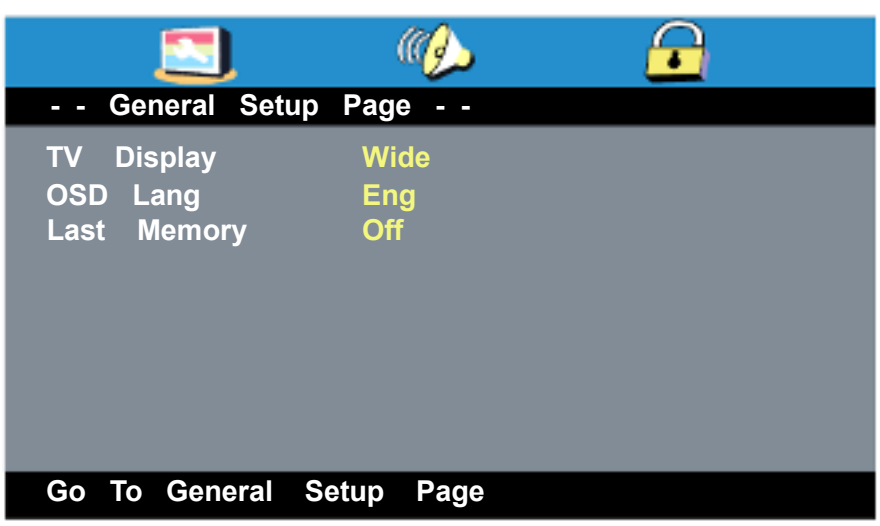
4. DVD basic operations

Play/pause the disk: After inserting the disk to DVD module, the TV will play DVD disk automatically. You can use PAUSE button to suspend the playing. Press PLAY button, the TV will restore playing.
Stop playing: During playing, you can use STOP button to stop playing. If you press STOP once, the DVD will be stopped briefly. Press STOP again, it will stop completely and the disk in DVD module no longer wheels.
Eject the disk: You can press EJECT button to eject the disk from DVD module. And press EJECT again, the DVD will load the disk renewedly.
Going backward or forward: You can press FR for fast review and FF for fast forward. You can also press PREV to return to the previous chapter, and press NEXT to skip to next chapter.
Function menu: Press DVD-M, you will return to the selection menu of current DVD function. For example, you are using “Audio Selection”, and you choose “Continue playing”, then after selecting, you can press DVD-M to go back to “Audio Selection” menu while playing.
Title menu: Press TITLE, you can reset the disk to the title menu. It equals to ejecting and loading the disk again.
Zoom in: Press ZOOM, you can zoom in the screen for 2 times, 3 times or 4 times from centre. This function provide a better view of the content locate near screen centre.
Subtitle selection: Press SUB-T, you can switch the available subtitles in DVD disk.
Audio language selection: Press AUDIO, you can switch the available audio language in DVD disk.
Repeat: There are two kinds of repeat, one is regular repeat and the other is Atop repeat. For regular repeat, press REPEAT button to switch between chapter repeat, title repeat and all repeat. For A-to-B repeat, press A-B once to set the repeating origin and press it twice to set the repeating end.
DVD-setup menu: Press SETUP button, a specific setup menu for DVD will display on screen. This menu is especially prepared for DVD control. For menu instructions, see next page.

5. DVD setup menu

A. General setup page

There exist three sub-menus in DVD setup menu, the first one is General Setup. Press SETUP button on remote control to display General Setup Page. Press up/down arrow to select the item you want to adjust and press right arrow or ENTER button to activate it. After activating, use up/down arrow to set item value. When you are satisfied with the adjustment, press left arrow to return to the upper level of general setup menu. Press left arrow repeatedly, you can exit the DVD setup menu. To exit setup menu directly, press SETUP.



TV Display

Set the TV display shape.

OSD Lang

Set the DVD OSD language as English, French or Spanish.

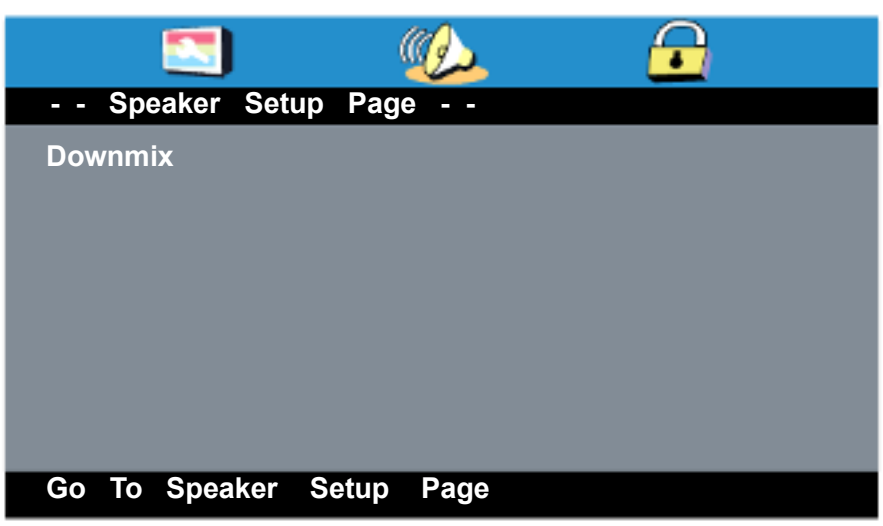
Last Memory

Set it on to memorize the last stop point. During playing the DVD, if you change to another mode and then come back to DVD mode, it can play automatically from the last stop point.

Note: We suggest you turn off the last memory function unless you really need it. To turn on this function may influence the lifetime of flash memory of DVD module.

B. Speaker setup page

Press SETUP button on remote control to display General Setup Page. Press left/right arrow to choose Speaker Setup Page. The operating method is similar with the General Setup Page.

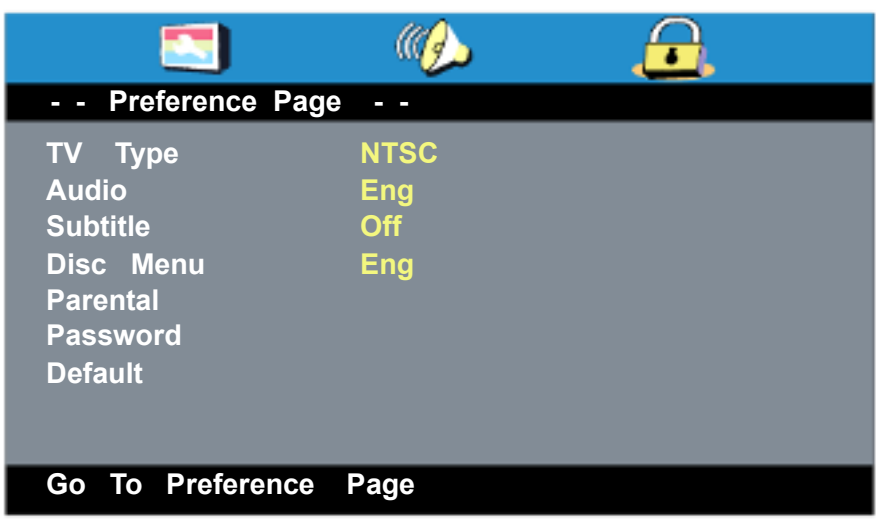


Downmix

This option is preset as Stereo. That means the DVD player will output a two-channel audio signal (L/R) to TV front speakers (left/right).

C. Preference page

Press SETUP button on remote control to display General Setup Page. Press left/right arrow to choose Preference Page. The operating method is similar with the General Setup Page.



TV Type

Set the TV type as PAL, Auto or NTSC.

Note: American DVD standard is NTSC system, so we suggest you set the TV Type as NTSC. In addition, you can also set it as PAL to watch some disks with PAL system, or select Auto for convenience.

Audio

Set the DVD audio language.

Subtitle

Set the DVD subtitle language.

Disc Menu

Set the DVD disk menu language.

Parental

Set the parental control rating as KID SAF, G, PG, PG13, PGR, R, NC17 or ADULT.
To change this option, you need password, and the original one is “0000”.

Default

Reset the DVD setup menu options as factory default.

Frequently Asked Questions (FAQs)

What's the most convenient way to view High Definition (HD) video?

Connect an antenna to the TV Input jack to view free local digital channels. You may need to purchase an antenna. (See page 10 for more information about antenna setup).

Visit www.antennaweb.org for assistance in deciding what type of antenna to use to receive the local digital channels available to you. After entering your location, this mapping program tells you which local analog and digital stations are available using a certain antenna.

Are there other ways to view High Definition (HD) video?

Besides using an antenna as mentioned above, you can also use a set-top box to receive digital video. Contact your cable service provider or satellite provider to purchase digital programming and have them connect the box to ensure you are viewing channels in the best way.

How do I tell an analog channel from a digital channel?

Press the DISPLAY button to display the Channel Bar. Look at the top right corner of the screen. An "A" is displayed for an analog channel. A "D" is displayed for a digital channel.

Note: Since the analog TV in America has been cut off, we reserve analog TV function only for some unexpected use.

Why are there bars on my screen, and can I get rid of them?

Most digital video is sent in a 16/9 format which fills your screen, but is sometimes sent in 4/3 which does not fill your screen. It depends on how the station or device connected to your TV is formatting the video. If there are bars on the screen, press the ASPECT button to try a different format that may eliminate the bars. Some bars can't be removed because of the way the format is sent by the broadcaster. The format changes as you press the ASPECT button and the format type is displayed at the bottom of the screen. For more information on screen formats, go to page 24.

Why does channel search find a lot of channels, but when I try to tune to them, there's nothing there?

Some channels don't carry programming, such as video On Demand. When channels are unavailable, your TV screen is blank or appears like snow. You probably want to remove these channels from your channel list. Remove these in the Channel List Menu. Go to page 26 for more information.

Why dose it take a long time when I search the channels at first time?

If you have both analog and digital channels, the TV is looking for all available channels in the channel list. If you do have digital channels, the TV is also searching for scrambled channels, non-scrambled channels, and each sub-channel of that digital channel.

Troubleshooting

Identifying Problems

If there are any problems when using the product, please consult the list below. If the list does not solve the problem, call our Customer Service Center immediately.

TV Problems

The TV can’t be turned on.

- Make sure the AC cord is plugged in.
- Check the wall outlet, make sure the AC output works normally and stably.
- The side panel may be locked (disabled). Use the remote control to turn on the TV.
- Select the Keypad Lock function in the PARENTAL Menu and press ENTER to uncheck the locking status.

There is no picture or sound but the TV is on and there is a “No Signal” sign on screen.

- Are you trying to use an input source with no device connected to it? For using other video/audio device, make sure the external device works normally first, then press INPUT and choose the right input source.
- The Signal Type option may be set incorrectly. Go to page 20 for detailed instructions.
- The channel may be blank. Try to search the channel again or change another channel.

The sound is fine, but the picture is poor.

- If you can only get black and white pictures from external device that you've connected to your TV, maybe it is due to the video cables is not connected well, or they are connected wrongly. Check the connection stability first, then check the correctness. For AV input, the yellow video cable connects to the yellow Video In jack on the side of your TV. For Component input, the three Y, Pb, Pr video cables (red, blue, and green) should be connect to the corresponding input jacks on the side of your TV.
- Check the antenna connections. Make sure all of the cables are firmly connected to the TV jack on side of your TV.
- Try adjusting the color features to improve.

There is no sound, but the picture is fine.

- The sound might be muted. Try pressing the MUTE button to restore sound.
- For using AV or Component, remember to connect the device’s left and right audio output correctly. The left channel cable is white and the right channel cable is red. Please match the cables and jacks according to their colors.
- The sound settings may not be set correctly. Go to page 25 for more information.
- If your audio source has only one jack or is a (mono) audio source, make sure you have plugged the connection into the Audio In L jack (white) on the TV.

The buttons on the side panel don’t work.

- The side panel may be locked (disabled). Use the remote control to turn on the TV.
- Select the Keypad Lock function in the PARENTAL Menu and press ENTER to uncheck the locking status.
- Unplug the TV from the AC power for 10 minutes and then plug it back. Turn the TV on and try again.

The TV turns off unexpectedly.

- The electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn the TV on again. If this happens frequently, the voltage in your house may be abnormal. If the other electronic equipment in your home can’t work normally, consult a qualified service personnel.

Troubleshooting

Can’t select a certain channel.

- The channel may be blocked or not approved in the PARENTAL Menu.
- The channel may be skipped in channel list in CHANNEL Menu. Check the blocking and skipping status of channel.

The stereo sound performance is bad.

- It may be a weak station. Use the SOUND Menu and set Analog Sound as Mono.

A black box appears on the screen.

- Closed captioning might be on. Check Closed Caption in the SETUP menu. Go to page 32 for more instructions.

Problems with the HDMI Connection.

- Make sure the HDMI device (DVD, video gamer, etc.) is turned on and the cables are firmly connected. If problems still occur, turn off your device and reconnect it. Reset the power by unplugging the power cord and plugging it again.
- If a “No Signal” message appears on screen , the HDMI device isn’t responding. Contact the manufacturer of the HDMI device for further assistance.
- If you have black bars on each side of your picture (which means the TV can not display a full-screen image), the device you connected might have a switch or a menu option allowing you to change the picture quality output that will fix this. Choose either 720p or 1080i.

The Remote control doesn’t work.

- Something might be blocking between the remote control and the remote sensor on the front panel of the TV. Make sure there is a clear path.
- The remote may not be aimed directly at the TV.
- The batteries in the remote may be weak, dead, or installed incorrectly. Put new batteries in the remote.

You are experiencing problems with V-Chip/Parental Controls.

- If the rating limits don’t work, you must lock the settings. Go to the Main Menu (press MENU on your remote), select PARENTAL to check the settings.

What else can I do?

If you’ve been through the Troubleshooting section and nothing has fixed your problem, try rebooting your TV. Note that after a reboot, you may need to run your TV through the setup process again. To reboot, unplug the power cord from the wall outlet or power strip. Keep your TV unplugged for about 5 minutes. Then plug in the TV and turn it on. See if the problem is fixed. If the problem remains, then please visit the Customer Support Menu at www.rca.com or updated FAQs or contact RCA Customer Support at the support number provided in your Warranty card.

V-Chip Rating Explanations

US V-Chip Rating System

TV-MA (Mature Audience Only): Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).
TV-14 (Parents Strongly Cautioned): Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).
TV-PG (Parental Guidance Suggested) : Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).
TV-G (Parental Audience): Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).
TV-Y7 (Directed to Children 7 years and older): Designed for children age of 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.
TV-Y (All Children): Themes and elements in this program are designed for a young audience, including children ages 2-6. It is not expected to frighten younger children.

Canadian English V-Chip Rating System

18+ (Adult): Programming intended for adults 18 and older. It may contain elements of violence, language, and sexual content which could make it unsuitable for viewers under 18. Violence Guidelines: May contain violence integral to the development of the plot, character or theme, intended for adult audiences. Other Content Guidelines: May contain graphic language an d explicit portrayals of nudity and/or sex.
14+ (Viewer 14 and over): Programming contains themes or contents which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Violence Guidelines: May contain intense scenes of violence. Could deal with mature themes and societal issues in a realistic fashion.
Other Content Guidelines: May contain scenes of nudity and/or sexual activity. There could be frequent use of profanity.
PG (Parental Guidance): Programming intended for a general audience but which may not be suitable for younger children (under the age of 8). Parents may consider some content inappropriate for unsupervised viewing by children aged 8-13. Violence Guidelines: Depictions of conflict and/or aggression will be limited and moderate; may include physical, fantasy, or supernatural violence. Other Content Guidelines: May contain infrequent mild profanity, or mildly suggestive language. Could also contain brief scenes of nudity.
G (General Audience): Programming considered acceptable for all ages groups. While not designed specifically for children, it is understood younger viewers may be part of the audience. Violence Guidelines: Will contain very little violence, either physical or verbal or emotional. Will be sensitive to themes which could frighten a younger child, will not depict realistic scenes of violence which minimize or gloss over the effects of violent acts. Other Content Guidelines: There may be some inoffensive slang, no profanity and no nudity.

V-Chip Rating Explanations

C8+ (Children 8 and older): Programming generally considered acceptable for children 8 years and over to watch on their own. Violence Guidelines: Violence will not be portrayed as the preferred, acceptable, or only way to resolve conflict or encourage children to imitate dangerous acts which they may see on television. Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. Other Content Guidelines: There will be no profanity, nudity or sexual content.

C (Children): Programming intended for children under age of 8. Violence Guidelines: Careful attention is paid to themes which could threaten children's sense of security and well being. There will be no realistic scenes of violence. Depictions of aggressive behavior will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature.
Other Content Guidelines: There will be no offensive language, nudity or sexual content.

Canadian French V-Chip Rating System

18+ (Adult): Programming is for adults only. This program contains sustained violence or extremely violent scenes.

16+ (Viewer 16 and over): Programming is not suitable for those under age 16. This program contains frequent scenes of violence or intensely violent scenes.

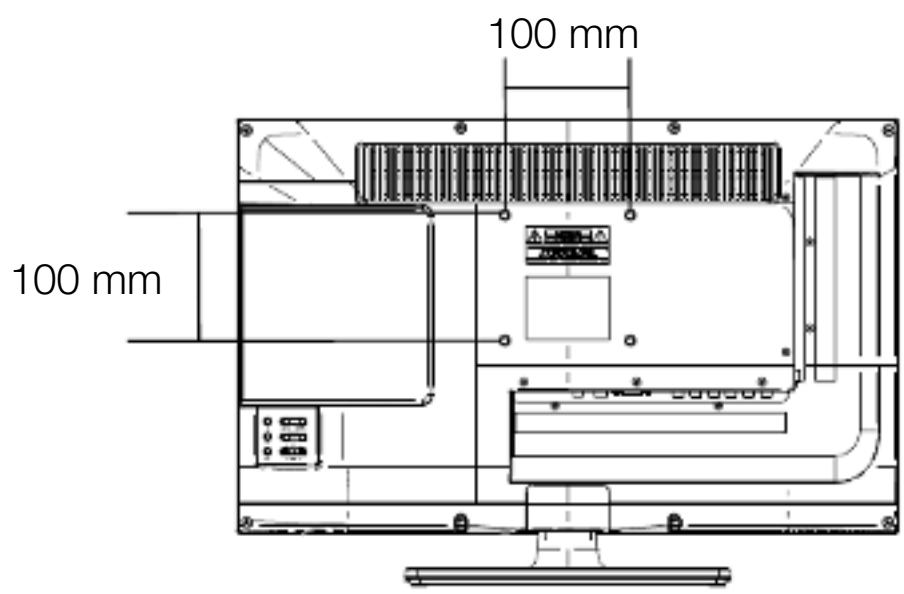
13+ (Viewer 13 and over): Programming may not be suitable for children under the age of 13. This program either contains several violent scenes or one or more scenes that are violent enough to affect them. Viewing in the company of an adult is therefore strongly recommended for children under the age of 13.

8+ (Viewer 8 and over): Not recommended for young children. This program is suitable for most audiences, but it contains mild or occasional violence that could upset young children. Viewing in the company of an adult is therefore recommended for young children (under the age of 8) who do not distinguish between reality and imagination.

G (General Audience): This program is suitable for audiences of all ages. It contains no violence, or any violence that it does contain is either minimal or is presented in a humorous manner, as a caricature, or in an unrealistic way.

Wall Mounting Unit Specification

Model	Unit Dimension (unit:mm)	Screw
LED22B45RQD	VESA 100 x100	M4 screws, length 10mm



Note:

A. The wall mount is not contained in the accessories sold with television. We only provide the installing specifications but not the wall mount itself. If you need the mount, please consult with the local dealer for a VESA wall mount.

B. We strongly suggest to set the wall mount with equipments of specification we ordered. If not, inappropriate installing may cause damage to device or people.

Warnings:

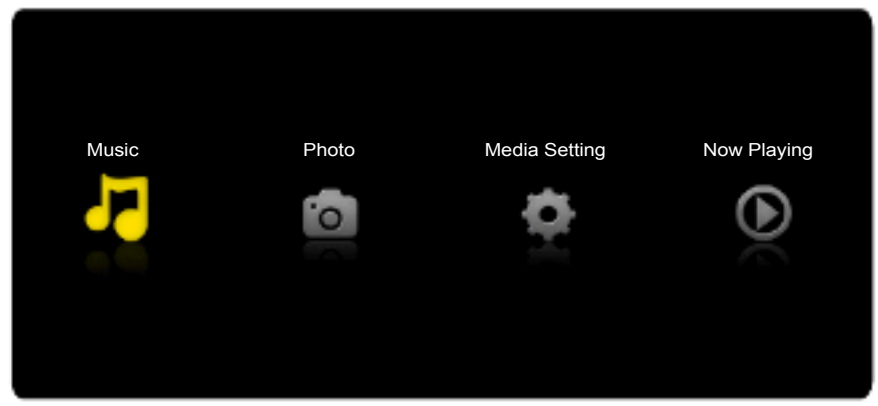
1. Do not set up the wall mount by yourself. Please contact qualified professionals for installation.
2. The TV should not be mounted on walls or surfaces which have an angle more than 10 degrees with vertical direction. Otherwise the TV set may fall.
3. The walls for mounting must have enough strength to hold the whole weight of TV set. For example, concrete wall and brickwork are eligible. Do not place the mount on soft walls such as earth walls and plasterboard.
4. If spare parts of different specifications (such as screws) are used during mounting, consult with qualified professionals to make sure these parts are safe and effective.
5. Before attaching the base to wall, ensure the holes for anchors are in keeping with the installing rules. Otherwise there may exist some potential problems.
6. Do not place any heating source under your television. Or else, it can cause fire.
7. Do not place the TV near anything dripping. Transducers and high voltage wires should be kept far away from the apparatus too. Or else, it may cause creepage, electric shock or bad resonance.
8. Do not place TV in a location where collision or vibration is liable to happen.
9. In order to avoid unexpected falling of the TV set, do not put any strong force on TV or wall mount after installing.
10. Be sure to unplug the TV before installing. Keep anything hard or sharp away from the screen panel to prevent the scuffing.
11. After installing, if there is any need to move the cabinet, please contact the qualified professionals.

USB Media Play

With USB Media Play, you can enjoy music and photo files stored in a USB storage device on your RCA TV.

Connecting a USB storage device

- Connect a USB storage device to the USB port in the back of the TV.
- Press “INPUT” and select “Media”.
- “USB Media Play” menu will appear.



Playing back Music files

- Press arrow (◄/►) to select “Music” and press “ENTER”.
- The file or folder list will show up. Press arrow (▲/▼) to select a file or folder. Press “ENTER” to playback the music file you selected.

Playing back Photo files

- Press arrow (◄/►) to select “Photo” and press “ENTER”.
- The file or folder list will show up. Press arrow (▲/▼) to select a file or folder. Press “ENTER” , and you will be given several options to view photo files.
- You can directly open and playback the file. view thumbnails for photo preview, or play slideshow.

Media setting for Slideshow and Music playback

- Press arrow (◄/►) to select “Media Setting” and press “ENTER”.
- In “Media Setting”, you can set various options for Slideshow and Music Playback.

Media Support Specification

Supported Files	
• Photo	JPG/JPEG files
• Music	WAV files
Supported USB storage/file system format	
• USB Storage	USB flash drive
• File System format	FAT32

Caution:

Do not turn off the TV or disconnect USB storage device while the TV is playing back picture or music. This may result in loss of data or damage to the USB storage device, and RCA is not responsible for any damage to, or loss of, data on the USB storage device.

Product Specification

Model		LED22B45RQD
Diagonal Display Size		21.5 inches
Television System		American TV standard ATSC/NTSC system
Channel Coverage		VHF: 2~13 UHF: 14~69 CATV: 1~135
Temperature		Storage Temperature is -20℃~+60℃ (-4℉~+140℉)
		Operating Temperature is 0℃~+50℃ (+32℉~+122℉)
Humidity		Storage Humidity: Less than 85% RH (No condensation)
		Operating Humidity: Less than 80% RH (No condensation)
Power Supply		AC 100V-120V, 50-60Hz
Connection Interface	RF Input	Cable/Antenna x 1
	HDMI	3
	Component	1 x 3 (Audio is shared with AV-IN)
	AV-IN (Composite)	1 x 3
	PC Input	RGB 15pin, PC Audio in (3.5mm)
	Audio Output	Digital Audio Out x 1 (Coaxial)
		Headphone x 1
Resolution		1920 x 1080
Component/HDMI mode		480i, 480p, 720p, 1080i, 1080p
Dimensions	With stand	20.8”W X 14.6”H X 6.5”D
	Without stand	20.8”W X 13.0”H X 1.8”D
Weight	With stand	8.8LBS (4.0KGS)
	Without stand	8.4LBS (3.8KGS)
Power Consumption		less than 42W

Notice: Specifications are subject to change without notice.

Made for Today.
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Limited Warranty for USA and Mexico

Coverage – Labor

For a period of 12 months from date of purchase of your RCA product, we will pay an authorized RCA service center the labor charge to repair any defects in materials or workmanship in your television. If your television is unrepairable we will provide you with a refurbished unit of the same or better model.

Coverage – Parts

For a period of 12 months from date of purchase of your RCA product, we will pay an authorized RCA service center for the new, or at our option, refurbished replacement parts needed to repair any defects in material or workmanship in your television. If your television is unrepairable we will provide you with a refurbished unit of the same or better model.

Coverage – LED LCD Panel

For a period of 12 months from date of purchase of your RCA product, we will pay an authorized RCA service center for the new, or at our option, refurbished LED panel needed to repair any defects in material or workmanship in your television. If your television is unrepairable we will provide you with a refurbished unit of the same or better model.

How to Obtain Service

- For assistance (U.S.A) - if you purchased RCA product in U.S.A, please call 1-888-977-6722.
  Or visit www.rca.com

- For assistance (Mexico) - if you purchased RCA product in Mexico, please call 01-800-8233858
  Or visit www.rca.com

[Mexico service center address]

Servicios Computacionales de México, S.A. de C.V.
Francisco Díaz Covarrubias # 33, Ciudad Satélite
C.P. 53100, Naucalpan, México

The service representative will review your options for service. As a convenience we offer three ways to obtain warranty service. You may mail your product to the address provided by the service representative, you may take your product to an authorized service center, or you may request in home service (servicer will determine if product is serviceable in home or must be taken back to local service center for repair). Service representative will supply instructions for preferred service. At the time of service proof of purchase such as original receipt, will be required. Only 37” LCD size and above are applicable for in-home-service.

Items Not Covered By Limited Warranty

Your limited warranty does not cover the following items:

- Un-installation, installation and adjustment of customer controls and operating instruction.
- Batteries and customer replacement fuses.
- Damage due to misuse, abuse, negligence or neglect including but, not limited to, damage resulting from exposure to moisture, humidity or salt.
- Inability to receive a signal due to problems not caused by the product.
- Damage to the product due to images burnt into the screen.
- Product purchased or serviced outside of Country of Original Purchase.
  -i.e. Purchased USA can not be serviced in Mexico/Purchased in Mexico can not be serviced in USA.
- Product modified or incorporated into other products.
- Damage due to acts of nature, including but not limited to, lightning damage or flooding.
- Service calls which do not involve any defect in materials or workmanship.

Commercial Use Excluded

This limited warranty only applies to products used for personal use and does not cover any product used for institutional, commercial or rental purposes.

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Hecho para Hoy.
www.rca.com

Garantía limitada para EE.UU y México.

Cobertura-Trabajo
Durante un período de 12 meses desde la fecha de compra de su producto RCA, pagaremos a un centro autorizado de servicio de RCA el cargo de mano de obra para reparar cualquier defecto en materiales o mano de obra en el televisor. Si su televisor es irreparable que le proporcionará una unidad reacondicionada del mismo modelo o superior.

Cobertura / Recambios
Durante un período de 12 meses desde la fecha de compra de su producto RCA, pagaremos a un centro autorizado de servicio de RCA para un reemplazar ya sea con partes nuevas o reacondicionadas, o a nuestra opción, para reparar cualquier defecto del material o mano de obra en el televisor. Si su televisor es irreparable que le proporcionará una unidad reacondicionada del mismo modelo o superior.

Panel de Cobertura-LED LCD
Durante un período de 12 meses desde la fecha de compra de su producto RCA, pagaremos un centro autorizado de servicio de RCA para un reemplazar la pantalla LED, ya sea con pantalla nueva o reacondicionada, o a nuestra opción, para reparar cualquier defecto del material o mano de obra en la pantalla de su televisor. Si su televisor es irreparable que le proporcionará una unidad reacondicionada del mismo modelo o superior.

Cómo Obtener Servicio

Para asistencia en Estados Unidos (E.U.A) si compró un aparato RCA en E.U.A. favor de llamar al: 1-888-977-6722 o visite**:** www.rca.com

Para asistencia en México: si compró un aparato RCA en México, favor de llamar al: 01-800-823-3858, o visite: www.rca.com

(Centro de Servicio en México)
Servicios Computacionales de México, S.A. de C.V.
Francisco Díaz Covarrubias # 33, Ciudad Satélite
C.P. 53100, Naucalpan, México

El representante de Servicio revisará sus opciones para el servicio.
Para su comodidad le ofrecemos tres formas de obtener servicio de garantía. Usted puede enviar su producto a la dirección proporcionada por el representante de servicio, usted puede llevar su producto a un centro de servicio autorizado, o puede solicitar en el servicio a domicilio (administrador determinará si el producto se encuentre en funcionamiento en casa o debe ser llevado de vuelta a servicio local técnico para su reparación). El representante del Servicio le proporcionará las instrucciones para el servicio preferido. Se requiere del comprobante de compra original. Sólo se les dará servicio a Domicilio a Televisores de 37 " pulgadas de tamaño y más grandes.

Elementos no cubiertos por la garantía limitada
Su garantía limitada no cubre los siguientes temas:

- Un-instalación, montaje y ajuste de controles del cliente e instrucciones de funcionamiento.
- Las pilas y los fusibles de repuesto al cliente.
- Daños por uso indebido, abuso, negligencia o descuido incluyendo pero no limitado a, los daños derivados de la exposición a la humedad, la humedad o la sal.
- Incapacidad para recibir la señal debido a los problemas que no son causadas por el producto.
- Daños en el producto debido a las imágenes de grabadas en la pantalla.
- Productos comprados o prestar servicios fuera del pais de compra original.
  Ej: Comprado en Estados Unidos no puede prestar servicios en Mexico/
  Comprado en Mexico no puede prestar servicios en Estados Unidos.
- Productos modificados o incorporados a otros productos.
- Daños debidos a fenómenos de la naturaleza, incluyendo pero no limitado a, daños por rayos o inundaciones.
- Las llamadas de servicio que no impliquen cualquier defecto en materiales o mano de obra.

Uso Comercial Exclusión

Esta garantía limitada sólo se aplica a los productos utilizados para uso personal o, y no cubre todos los productos utilizados con fines institucionales, comerciales o de alquiler.

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